

**West Virginia
Clean Water State Revolving Fund**



FY2023 Intended Use Plan

Submitted to the
U.S. Environmental Protection Agency
Region III
June 30, 2022



west virginia department of environmental protection

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Glossary

The following abbreviations are used throughout this document to denote the listed words, terms and phrases:

AgWQLP – West Virginia Agricultural Water Quality Loan Program

ARC – Appalachian Regional Commission

BAN – Bond Anticipation Note

BCL – Binding Commitment Letter

BIL – 2022 Bipartisan Infrastructure Law

BRF – Brownfield Revolving Loan Fund

CA – West Virginia Conservation Agency

CWA – Federal Clean Water Act

CWSRF – Clean Water State Revolving Fund

DEP – West Virginia Department of Environmental Protection

DHHR – Department of Health and Human Resources

DWWM – Division of Water and Waste Management

DEP EBPP – Extended Bond Purchase Program

EPA – United States Environmental Protection Agency

IJDC – West Virginia Infrastructure and Jobs Development Council

IUP – Intended Use Plan

MHI – Median Household Income

NRCS – Natural Resources Conservation Service

NPS – Nonpoint Source

OA – Operating Agreement

OSLP – Onsite Systems Loan Program

PFAS – Polyfluoroalkyl Substances

POTW – Publicly Owned Treatment Works

PSC – Public Service Commission of West Virginia

USDA – United States Department of Agriculture

USGS – U. S. Geological Service

SCD – Soil Conservation District

WDA – West Virginia Water Development Authority

WRRDA – 2014 Water Resources Reform and Development Act

WWTP – Wastewater Treatment Plant

Preface

Mission Statements

Department of Environmental Protection

To efficiently and effectively carry out the State's environmental laws and regulations that are designed to provide and maintain a healthful environment consistent with the economic benefits derived from strong agricultural, manufacturing, tourism and energy-producing industries.

Division of Water and Waste Management

To protect, preserve and enhance West Virginia's land and watersheds for the safety and benefit of all.

Clean Water State Revolving Fund

To provide technical and financial assistance to local governmental entities to improve water quality and public health conditions.

SECTION I

Introduction

This document is the Clean Water State Revolving Fund's Intended Use Plan for state fiscal year 2023 (July 1, 2022 – June 30, 2023 (FY2023)). The Division of Water and Waste Management is the primary state agency that administers the Clean Water State Revolving Fund, with financial and support assistance provided by the West Virginia Water Development Authority.

As of July 1, 2022, there have been 34 federal capitalization grants and amendments awarded by the Environmental Protection Agency. The State has provided, where required, the 20% matching funds for each grant and amendment.

Repayments of prior loans and bonds and investment earnings are also available within the Clean Water State Revolving Fund to fund additional wastewater and nonpoint source projects. A calculation of available funds during this fiscal year is contained in Section II.

SECTION II

Funds Identification

The chart on the next page identifies the revenue sources that will be used for loans and other anticipated expenditure categories.

A similar chart can be found in Appendix E, which is used by EPA for its purpose only. This chart summarizes the federal capitalization grants, state matches, repayments, earnings, etc., since the program began. It also estimates the fiscal year revenue sources to calculate a theoretical amount of funds available.

WEST VIRGINIA CLEAN WATER STATE REVOLVING FUND

Intended Use Plan – Sources and Uses of Funds

State FY2023 (July 1, 2022 – June 30, 2023)

Available funds as of March 31, 2022

Cash balance in CWSRF account =	\$177,140,333	
Federal funds accounts payable (base grants) =	<u>\$ 0</u>	
		<u>\$177,140,333</u>

New funds available during state FY2023:

Next Federal EPA Base Grant	\$ 18,037,000	
Next Base State Match	\$ 3,607,400	
Next Federal BIL Grant	\$ 27,745,000	
Next BIL State Match	\$ 2,774,500	
Emerging Contaminants Grant	\$ 1,457,000	
Est. Repayments (principal) (to 6/30/22)* =	\$ 36,977,176	
Est. Repayments (interest) (to 6/30/22)* =	\$ 3,816,001	
Est. Investment Earnings (to 6/30/22)* =	<u>\$ 650,000</u>	
		<u>\$ 95,064,077</u>

Less:

Existing project loans payables (3/31/22) =	\$ 26,541,455	
Existing binding commitments (3/31/22) =	\$ 66,745,884	
AgWQLP reserve =	\$ 500,000	
OSLP reserve =	\$ 500,000	
DEP Administration =	<u>\$ 0</u>	
		<u>\$94,287,339</u>

Net available funds during FY2023 = **\$177,917,071**

Notes:

The match should be received by July 2022.

* These are estimates at this time. Project funding will be adjusted to accommodate the actual funds received.

SECTION III

Goals

A. Long term goals

1. Expand the CWSRF accessibility by creating new financial assistance programs to address NPS pollution control problems.
2. Ensure the CWSRF program operates in perpetuity at its maximum level to provide financial assistance to entities approved by law.

Objective 1 – Conduct financial capability reviews on all potential loan recipients to assure credit worthiness and fiscal responsibility.

Objective 2 – Maximize investment opportunities.

Objective 3 – Monitor repayment activity of loan recipients and take action for collection of delinquent payments from loan recipients.

Objective 4 – Utilize EPA's financial planning model to ascertain the long term effects of different CWSRF policies.

3. Integrate the CWSRF program into DEP's Watershed Management Framework to increase program effectiveness by targeting the CWSRF funds toward higher priority watersheds.
4. Market the CWSRF program throughout the State to increase commitment/utilization of funds and maintain program pace by providing articles, press releases, and presentations on CWSRF program activities and participating in meetings of Federal and State associations concerned with water quality, health, and economic development issues.
5. Participate in the monthly meetings of the IJDC. Participation will include performing technical reviews on all proposed wastewater projects and coordinating and recommending the most feasible funding sources for all projects.
6. Incorporate EPA's strategic plan program activity measures into the CWSRF program by working to achieve a targeted fund utilization rate of 100% (cumulative dollar amount of loan assistance agreements divided by cumulative amount available for projects).
7. Develop effective wastewater management in rural, low income West Virginia communities. This includes investigating new funding opportunities and participating with local community leaders and civic groups to develop wastewater management ideas and programs.

B. Short term goals

1. Continue outreach efforts for potential new loan recipients.
2. Maintain a targeted fund utilization rate “pace” goal of at least 95%. Program pace is defined by EPA as the cumulative loan assistance provided, divided by the total amount of funds available. Loan assistance is defined as the cumulative assistance provided by executed loan, bond, and funding assistance agreements (does not include preliminary binding commitment letters).
3. Provide outreach and requested technical assistance to several communities in the Tygart River Watershed as they consider biological nutrient removal processes in their systems.
4. Coordinate and work with WV DEP’s Abandoned Mine Lands section on the planning, design, and construction of wastewater treatment facilities that were awarded PILOT Grants.
5. Utilize flexibilities available within the CWSRF to monitor and work with loan recipients that have been financially impacted by the COVID-19 pandemic.
6. Re-evaluate and potentially restructure the AgWQLP to entice applicants back to the program.
7. Partner with DHHR and USGS to determine what, if any impacts, PFAS will have on wastewater treatment systems and non-point projects in WV.

SECTION IV

Project Priority List

The Project Priority List is contained in Appendix A. The list includes potential CWSRF binding commitments for Section 212 projects (publicly owned treatment works). Projects must appear on the priority list in order to receive consideration for a loan/bond purchase agreement or a formal loan commitment. The list was developed using fact sheets received from each applicant, consulting engineer or other representative, and should reflect current costs. If additional projects are developed during the fiscal year that do not appear on the list but would like to receive a commitment, they may be added to the list after adequate public notification procedures have been completed. This procedure generally takes 60 days.

The CWSRF will continue to commit funds to projects in order of their position on the priority list on a first-come, first-served basis, as long as all applicable program requirements have been met and the project is within six months of construction. At a minimum, the facilities plan, and plans and specifications must be approved. Consideration will be given to the status of rights-of-way obtainment and other items on the pre-bid checklist during this process. As

projects are deemed eligible for a binding commitment; they will be funded in order of priority. Furthermore, a project will not receive a commitment from the CWSRF unless it has received a funding recommendation from the IJDC in accordance with WV State Code, Chapter 31, Article 15A. This binding commitment from the CWSRF will remain in effect until the expiration date contained in the commitment and is subject to an extension.

Individual NPS pollution control activities and projects funded by the CWSRF do not have to appear on the annual priority list. However, the funding of these projects is described in Section V(I) and an amount has been reserved to fund these projects. These NPS projects are eligible for funding using state revolving funds in accordance with federal law and are defined under Section 319 of the CWA. Any type of NPS activities funded must be included in the DEP's approved NPS management plan.

SECTION V

Fund Activities

A. Interest rates on POTW loans

The eligibility criterion for low interest loan consideration will be based upon 3,400 gallons of monthly water usage. The DEP will use this criterion to determine the interest rate on loans. The maximum allowable term of the loans will be determined using the following range of user rates and MHI data:

*Less than 1.5% MHI: Terms will be based upon the 25-Bond Revenue Index. At BCL issuance, the CWSRF will use the last published rate less 5 basis points (.05) for a 20-year term. At no point will the terms exceed 2.75% interest rate, .25% annual admin fee, 20-year term**

1.5% to 1.74% MHI: 1.75% interest rate, .25% annual admin fee, 21 - 30-year term

1.75% to 2.0% MHI: .75% interest rate, .25% annual admin fee, 21 - 30-year term

Greater than 2% MHI: .25% interest rate, .25% annual admin fee, 31 - 40-year term

The MHI data is derived from the 2020 census data published by the U. S. Department of Commerce, U.S. Census Bureau, American Fact Finder. Interest rates will not exceed 2.75% and will not be less than .25%. For all public service districts, the MHI to be used will be the lowest of either the county(s) or magisterial district(s) that is most appropriate for the project area. Magisterial district and county information can be found in Appendix D. Municipal MHI data is contained in Appendix D1.

Due to some concerns over the 2020 Census data, the use of income surveys to verify the MHI of individual communities will be allowed. Please see the CWSRF website for further guidance. <https://dep.wv.gov/WWE/Programs/SRF/Pages/default.aspx>

In addition, projects that will receive a binding commitment during the term of this IUP will have the option of using either this or the 2022 IUP to set the terms.

Should Congress amend the CWA or pass reform legislation that affects small disadvantaged communities, the DEP may revise this interest rate policy to consider other factors as required by federal law.

The terms mentioned above will also be applied to stormwater projects.

* For collection system projects, a 30-year term will be considered if a substantial rate impact can be documented.

B. Additional subsidization for disadvantaged communities

This year's Clean Water Act Title VI funding allocation for West Virginia is \$18,037,000. The Appropriations Act requires that a portion of each capitalization grant be used for additional loan subsidization and for funding green infrastructure projects. The Act requires a minimum of 10% be set aside for funding green projects. This amount will equal \$1,803,700. The BIL states that the green project reserve provided for in the annual appropriation is applicable to the BIL capitalization grants. This amount will equal \$2,774,500. The allowable green project categories that will be considered for this funding are described below.

The Act also requires a minimum amount be set aside for providing additional loan subsidization in the form of grants or principal forgiveness. Therefore, DEP will be setting aside \$7,214,800 from the capitalization grant to be used as principal forgiveness.

This year's BIL funding allocation for West Virginia is \$27,745,000. The Law requires that 49 percent of the allotment (\$13,595,050) be in the form of grants or principal forgiveness.

Principal forgiveness of all or part of a loan will be the mechanism that will be used to supply the additional subsidization. Additional loan subsidization is a last resort for disadvantaged communities and will only be provided when other funding options within the CWSRF program are not practical to make the project financially affordable (i.e. 40-year loan terms, deferred principal repayments, reduced debt service coverage, etc.).

The 2014 Water Resources Reform and Development Act (WRRDA) amended sections of the Federal Water Pollution Control Act (FWPCA). Amendments to 603(i)(2) required States to develop affordability criteria that would assist in identifying applicants that would have difficulty financing projects without additional subsidization. The criteria, based upon a points system that will be used to identify these applicants as per WRRDA, are as follows:

Income based upon %MHI – Based upon the 2020 Census data for 3,400 gallons of water usage.

<u>MHI</u>	<u>Points</u>
1.25% - 1.74%	20
1.75% - 1.99%	30
2.0% - 2.4%	40
2.5% or greater	50

Unemployment Data – As published by WorkForce West Virginia, the State's average unemployment rate was 4.0% in 2022. See Appendix G.

<u>Locality's Unemployment Rate (UR)</u>	<u>Points</u>
UR < West Virginia's UR	0
UR 0% - 2% above West Virginia's UR	10
UR > 2% above West Virginia's UR	20

Population Trends – Based upon the percentage change for the period from 2015 to 2020 (calendar years) by county as published by the 2020 Census. See Appendix H.

<u>Change in Population</u>	<u>Points</u>
Greater than +2%	0
0 to +2%	10
Less than 0%	20

Consolidation and extensions to serve unserved areas and failing systems: 10 Points

Poverty Rate greater than or equal to 20% as found on the following Census site:

10 Points <https://data.census.gov/cedsci/>

For applicants that receive at least 40 points, the project is eligible for the lesser of 50% of the total eligible CWSRF project costs or \$1,500,000 in principal forgiveness.

For applicants that receive at least 70 points, the project is eligible for the lesser of 100% of the total eligible CWSRF project costs or \$2,000,000 in principal forgiveness.

Readiness to proceed to construction is the primary criterion that will be used in allocating the additional subsidies. The final amount of the subsidy will be determined after receipt of bids and after a formal application is submitted. Note: As existing debt is retired, the dedicated revenue stream will rollover to pay the amount of any deferred loan.

Loan recipients eligible for additional subsidization must appear on the current priority list prior to loan closing.

C. Green Projects Reserve

In accordance with federal law and to the extent there are sufficient eligible project applications, not less than 10% of the funds in the capitalization grant shall be used to address green infrastructure projects.

Allowable green project categories will be as follows:

1. Energy Efficiency

A community may utilize improved technologies and practices to reduce the energy consumption of existing wastewater treatment systems, use energy in a more efficient way, and/or produce/utilize renewable energy. Only the dollar amount associated with the green component of a larger project will qualify for the green reserve. Proposed green projects in this category may be eligible to receive additional loan subsidization, in the form of principal forgiveness, to the lesser of 50% of the total eligible green CWSRF costs or \$500,000.

Projects that will not be allowable include but are not limited to:

- a. Infiltration and inflow pipe repair or replacement.
- b. Purchase of hybrid/alternative fuel vehicles for sewer fleets.
- c. Operation, maintenance and replacement activities.
- d. Drinking water related projects.

2. Water Efficiency

Water efficiency type projects are not eligible for additional loan subsidization or green technology funding, except for WWTP water efficient appliance/plumbing projects and water reuse projects. Proposed green projects in the water reuse category may be eligible to receive additional loan subsidization, in the form of principal forgiveness, to the lesser of 50% of the total eligible green CWSRF costs or \$500,000.

3. Storm Water / Green Infrastructure

Allowable green projects to be funded under this category are:

- a. Publicly sponsored projects that utilize green technologies to treat or eliminate storm water from existing wastewater collection and treatment systems.
- b. MS4 sponsored projects that utilize green technologies to solve storm water issues.

Proposed green projects in this category may be eligible to receive additional loan subsidization, in the form of principal forgiveness, to the lesser of 50% of the total eligible green CWSRF costs or \$500,000.

4. Environmentally Innovative

Allowable green projects to be funded in this category are:

Decentralized sewer systems

- a. Publicly Owned Systems
- b. Privately Owned Onsite Systems

This category is used for constructing, upgrading, or repairing onsite/septic systems to existing eligible structures to protect water quality. The project must be sponsored by a local entity eligible to receive SRF funding.

Proposed green projects in this category may be eligible to receive loan subsidization, in the form of principal forgiveness, of 100% of the total eligible green CWSRF costs. The CWSRF program will be offering a program to cover the pre-bid costs for categorically green decentralized sewer system projects only. This is based upon availability of principal forgiveness funds. The program may fund the pre-bid costs for these systems from the available green principal forgiveness funds. To qualify for these funds, the project sponsor must assure the CWSRF program that the project will proceed to advertising for bids within 12–18 months of receiving the funds. The sponsor will have to provide, at a minimum, the following documentation:

1. A recommendation to pursue CWSRF funds from the WVIJDC;
2. An engineering agreement approved by the CWSRF program;
3. A facilities plan approved by the CWSRF program;
4. Documentation of a pre-design meeting with representatives of the CWSRF Program;
5. A project timeline with an approvable project budget;
6. Documentation from the project sponsor that the customer base is willing to pay the proposed sewer rate; and
7. PSC approval, if required by law.

Based upon the above guidelines and criteria, a list of potential green projects is included in Appendix F of this document. These projects were submitted in response to a DEP solicitation for green projects that occurred in November and December 2021 simultaneously with the project priority list solicitation. The CWSRF program will further evaluate these projects to determine funding eligibility.

D. Emerging Contaminants

The BIL created a CWSRF set-aside to fund projects that address emerging contaminants. The funding from this set-aside must be in the form of grants or principal forgiveness. West Virginia's allotment is \$1,457,000. Emerging contaminants refer to substances and microorganisms, including manufactured or naturally occurring physical, chemical, biological, radiological, or nuclear materials, which are known or anticipated in the environment, that may pose newly identified or re-emerging risks to human health, aquatic life, or the environment. These substances, microorganisms or materials can include many different types of natural or manufactured chemicals and substances – such as those in some compounds of personal care products, pharmaceuticals, industrial chemicals, pesticides, and microplastics.

The main categories of emerging contaminants include but are not limited to:

1. **Perfluoroalkyl and polyfluoroalkyl substances (PFAS) and other persistent organic pollutants (POPs)**, such as polybrominated diphenyl ethers (PBDEs; used in flame retardants, furniture foam, plastics, etc.) and other persistent organic contaminants such as perfluorinated organic acids, PFAS free flame retardants.

2. **Biological contaminants and microorganisms**, such as antimicrobial resistant bacteria, biological materials and pathogens.
3. **Some compounds of pharmaceuticals and personal care products (PPCPs)**, including a wide suite of human prescribed drugs (e.g., antidepressants, blood pressure medications, hormones), over-the-counter medications (e.g., ibuprofen), bactericides, fragrances, UV filters (sunscreen agents), detergents, preservatives, and repellents;
 - a. Insect Repellents, Cosmetics, and UV filters: DEET, Methylparabens, Benzophenone
 - b. Fragrances: HHCB and AHTN (7-acetyl-1,1,3,4,4-hexamethyl-1,2,3,4-tetrahydronaphthalene; CAS 2114-77-7; Tonalide)
 - c. Cosmetic and food preservatives: BHA (butylated hydroxyanisole) and BHT (butylated hydroxytoluene)
 - d. Veterinary medicines such as antimicrobials, antibiotics, anti-fungals, growth promoters, investigational new animal drugs, and hormones;
 - e. Substances that illicit endocrine-disrupting chemicals (EDCs), including synthetic estrogens (e.g., 17aethynylestradiol, which also is a PCPP) and androgens (e.g., trenbolone, a veterinary drug), naturally occurring estrogens (e.g., 17 β -estradiol, testosterone), as well as many others (e.g., organochlorine pesticides, alkylphenols)
4. **Nanomaterials**, such as carbon nanotubes or nano-scale particulate titanium dioxide, of which little is known about either their environmental fate or effects
5. **Microplastics/Nanoplastics** - Synthetic solid particle or polymeric matrix with regular or irregular shape and with size smaller than 5 mm of either primary or secondary manufacturing origin, or larger plastic materials that degrade into smaller pieces, including from tire wear (such as 6 PPD), which are insoluble in water. Primary microplastics include particles produced intentionally of this very dimension, like pre-production pellets used as intermediate in plastic production, microbeads for abrasive functions or microfibers that form from synthetic textiles.

Projects that address contaminants with water quality criteria established by EPA under CWA section 304(a), except for PFAS are not eligible for CWSRF Emerging Contaminants fund.

As more information becomes available about the types of projects that would be eligible for emerging contaminants funding, projects will be added to this IUP via the priority list.

The CWSRF is also reserving the authority to transfer these funds to the Drinking Water State Revolving Fund if no projects have received a binding commitment by June 2023.

E. Annual administrative fees on POTW loans

Since 1994, an annual administrative fee has been charged on all loans as a means of supporting the administrative costs of operating the CWSRF in perpetuity. These fees are maintained in a separate account outside the CWSRF. The use of these fees is restricted in accordance with *EPA's Guidance on Fees Charged by States to Recipients*

of Clean Water State Revolving Program Assistance as published in the Federal Register on October 20, 2006. Funds have been expended from the account since FY1998.

The annual administrative fee is initially calculated using the outstanding principal amount of the loan over its life but repaid over the term of loan in equal installments as contained in the loan amortization schedule. The chart in Section V(A) will be used to determine the annual administrative fee on each loan. The administrative budget is approximately \$4.9 million. This includes funding the DEP's Project WET position. The amount of the funds available as of March 31, 2022 was \$14,558,462. These funds can also be used to fund the onsite systems program and are being used to match an ARC grant to provide sewer system mapping to several communities in the southern part of the State. This fund has also been used to provide funding in partnership with the WV DHHR and USGS to support a PFAS study over the past two years. It may also be used for additional project funding.

F. Maximum allowable loans

In FY2023, there will not be a limit set on the amount of funds available to any single project. This practice will be reviewed annually and may change in future intended use plans.

G. BAN leveraging program

DEP is continuing the following option for multimillion-dollar projects that cannot reduce their scope to reflect a reasonable cost. A specific dollar amount will be issued by the entity using a BAN for the length of the construction period. The CWSRF will commit out of its repayment stream a certain amount each fiscal year until the total commitment is equal to the BAN. The loan will then be closed following construction completion, retiring the BAN. This proposed closing date will also be reflected in the BAN documents. Repayment of the CWSRF loan will begin immediately using the first full calendar quarter following loan closing.

H. Extended Bond Purchase Program

1. 30-year bonds

The EPA approval of the 30-year extended bond purchase program on April 13, 1999, allowed many disadvantaged communities in West Virginia to be funded under the CWSRF, resulting in additional water quality improvement projects and providing rate relief to local governmental entities. The more advantageous bond terms have increased the number of sewer construction projects in the State and have allowed better leveraging of other State and Federal funds available for wastewater projects.

Section 603(d)(2) of the CWA allows local bonds to be purchased by the State at below market interest rates without limiting the term to 20 years as contained in Section 603(d)(1). West Virginia law governing municipalities and public service districts provides that governing bodies must issue bonds to pay the costs of wastewater projects and sets forth detailed terms regarding interest rates, maturity dates and security provisions and with certain exceptions provides that the term of such bonds shall not exceed 40 years from the date of issuance.

Under the EBPP, the CWSRF will be purchasing local bonds with up to 30-year terms only for disadvantaged communities defined in Section V(A). Extended terms up to 30 years will be available to eligible communities meeting the above definition after a request is received from the community and an affordability analysis has been performed to determine what maturity date is necessary (not exceeding 30 years) in achieving, if possible, the targeted rate equal to 1.50% MHI.

Loans closed before July 2, 1999, cannot be refinanced or restructured using extended bond terms unless:

- a. DEP determines that such restructuring is necessary to protect the integrity of the CWSRF;
- b. the financial difficulty is due to unforeseen events (except population decline);
- c. the community has taken all reasonable steps to reduce expenses and increase revenues and such measures have not remedied the financial difficulty;
- d. the community has not discriminated in its payment of debt service on other outstanding debt;
- e. the community agrees to and implements a long-term management plan; and f. the PSC has approved the proposed restructuring (if applicable).

2. 40-year bonds

In May 2001, EPA approved an extension to the 30-year extended bond purchase program by allowing bond terms to exceed 30 years, but no longer than 40 years. As with the 30-year bond program, offering up to 40-year terms requires that the long-term revolving nature of the CWSRF must be protected. The offering of extended financing terms must not decrease the projected revolving level of the fund by 10% or more compared to the revolving level that the fund would have attained if extended financing terms were not available.

In implementing this 40-year program and in consideration of the federal mandates, the DEP established the following parameters that must be met by a disadvantaged community in order to be eligible for extended bond terms greater than 30 and less than or equal to 40 years. The intent is to balance the financial need of the community with the long-term financial health of the CWSRF.

Facilities plans will include detailed information concerning expected increases in operation and maintenance costs from years 20 to 40 including, but not limited to schedules for the repair and replacement of all facilities units/components, including equipment.

Where there has been a historical decline in population, additional information in the facilities plan will be required concerning the composition of the population base, such as age and income characteristics. Other economic indicators, such as trends in tax base, number of jobs and housing starts, may be requested to determine those communities that pose a high risk to the CWSRF program.

For revenue projection and rate-setting purposes, the CWSRF will require that only 90% of any new potential customers be used in the facilities plan. This requirement will apply during the entire preconstruction phase of the project,

including the PSC certificate case. A copy of the Rule 42 exhibit (or equivalent if a PSC certificate is not required) shall be submitted to the DEP to document compliance with this requirement. This requirement will not apply to existing customers already served by a collection system.

At the completion of final design and prior to the project authorization to advertise for bids, the above information will be utilized for the purposes of conducting a final financial review.

I. Requirements for CWSRF Commitment

Formal Commitments – once it has been determined that a project can realistically proceed to construction within six months, a formal commitment of CWSRF funding will be made that may include such terms and conditions as deemed necessary. The CWSRF will continue to commit funds to projects in order of their position on the priority list on a first-come, first-served basis, if all applicable program requirements have been met. At a minimum, the facilities plan, and plans and specifications must be approved. Consideration will be given to the status of rights-of-way obtainment and other items on the pre-bid checklist during this process. As projects are deemed eligible for a binding commitment, they will be funded in order of priority. Prior to loan closing, the project must appear on the current year's priority list.

J. Expanded uses of the CWSRF – Nonpoint Sources (NPS)

In addition to financing municipal sewage treatment and disposal projects, the CWSRF can finance an array of environmental projects to address NPS pollution.

NPS pollution is runoff from areas that have hard-to-trace specific sources of pollution such as farmland and suburban neighborhoods.

As with most other states, West Virginia has devoted the majority of CWSRF funds to the construction of traditional municipal wastewater treatment systems. However, in 1997 the CWSRF funded its first NPS water quality projects through the DEP's Agricultural Water Quality Loan Program in partnership with the West Virginia Conservation Agency. The purpose of the AgWQL program is to provide a source of low-interest financing match funds to implement best management agricultural practices that will reduce NPS impacts on water quality. This program is operated in conjunction with local participating banks.

In 2000, the CWSRF began a pilot implementation of its second NPS program titled the Onsite Systems Loan Program. The purpose of this program was to eliminate existing health hazards and water quality problems due to direct sewage discharges from houses using malfunctioning septic tank systems or direct pipes to a nearby stream. This was a cooperative venture between the DEP and county health departments. After several years of frustration, this program was revived in 2008 and is now fully operational. The West Virginia Housing Development Fund and other nonprofit associations are participating in this program to make it accessible to existing individual homeowners throughout the state.

In creating the CWSRF, Congress ensured that it would be able to fund virtually any type of water quality project, including nonpoint source, wetlands, estuary, and other types of watershed projects, as well as more traditional municipal wastewater treatment systems. The CWSRF provisions in the CWA give no more preference to one category or type of project than any other.

1. Agriculture Water Quality Loan Program

With the initiation of the FY1998 pilot program in five counties (Grant, Mineral, Pendleton, Hardy, and Hampshire), DEP addressed nonpoint sources of pollution by the installation of best management practices. The pilot program was a cooperative effort among the DEP, West Virginia Conservation Agency, United States Department of Agriculture, Natural Resources Conservation Service, local Soil Conservation Districts and local banking institutions.

Agricultural producers at the local level work with the SCD, CA and NRCS to develop a conservation plan. A local participating bank then provides a 2% interest loan with terms not to exceed 10 years for construction that will be monitored by these agencies. The CWSRF loans money to local banks at 0% interest as a mechanism for the banks to reduce their interest rate. The DEP expanded this program statewide after securing EPA approval to do so. As of June 30, 2021, more than \$13 million had been loaned under this program for installation of best management practices. Each fiscal year, an additional amount of money is set aside to fund more of these NPS projects. A one-time administrative fee is charged on each loan to cover DEP administrative expenses.

The CWSRF will continue this program with a set-aside reserve of \$500,000 to provide the necessary match to these agriculture grants.

2. Onsite Systems Loan Program

An OSLP guidance document is available which explains the NPS program. Individual loans are limited to \$10,000 and lender interest rates cannot exceed 2% with terms not to exceed 10 years for the replacement, repair or upgrade of onsite sewage systems. Exceptions to the \$10,000 limit are made on a case-by-case basis.

During the 2007 legislative session, the CWSRF statute was amended to expand the definition of “local entity”, which allows CWSRF money to be loaned to other entities who will act as an intermediary lender in the OSLP. The West Virginia Housing Development Fund was the first entity to enter into an agreement with the CWSRF to provide low interest loans to homeowners to correct failing onsite sewage systems. SAFE Housing and Economic Development, Inc. (SHED) has also entered into an agreement with the CWSRF to provide these loans to homeowners. The CWSRF will provide \$500,000 as a set-aside for this program this fiscal year. Funds from the administrative fee account may also be used to fund this program. As of June 30, 2021, more than \$2.9 million had been loaned under this program.

3. Other CWA Section 319 Nonpoint Source Activities

Nonpoint sources of water pollution, that may include contaminated groundwater flow and runoff from agricultural and developed land, have received far less attention. This is because nonpoint sources of pollution are harder to identify and address since they are not discrete end-of-pipe pollution sources.

In West Virginia, other nonpoint sources of pollution are identified in the State nonpoint source management plan developed by DEP. We will continue to evaluate the merits of providing funds to other NPS activities.

The WV DEP received an EPA capitalization grant to create a Brownfield Revolving Loan Fund (BRF). The CWSRF program will be working with the BRF to evaluate partnering opportunities for BRF ineligible expenses that may be eligible for the CWSRF. The CWSRF loan terms will mirror those for the BRF.

K. Technical Assistance

The Bipartisan Infrastructure Law gives states the flexibility to use up to 2 percent of the BIL capitalization grant to provide technical assistance to rural, small, and tribal publicly owned treatment works. The WV CWSRF has contracted with the WV Rural Water Association to fund a technical assistance position. The CWSRF administrative fee account will be the source of the funds for this position. This will allow the program to use the 2 percent from the capitalization grant for projects. This position assists communities that are under enforcement action, have trouble meeting their NPDES permit limits, provides outreach to CSO/SSO communities, etc... and is free of charge to all WV POTW's. This position also provides asset management support and educates local utilities on energy and water efficiency technologies.

L. Federal requirements

To streamline the program and reduce project costs, all new binding commitments made to POTW projects in this fiscal year will not have to meet many federal requirements. As a recipient of federal CWSRF funds, the DEP must apply these federal requirements to loans equal to the amounts of all the federal capitalization grants. Recipients of earmark grants from Congress will still have to meet these federal requirements for the entire project, including any CWSRF funds. This will likely continue in future fiscal years.

The projects listed in Appendix B have been selected to comply with federal requirements including, but not limited to, the Single Audit Act, FFATA, Buy American Build America Act (BABAA), EO 13690 Federal Flood Risk Management Standard, etc. These projects total more than the Base FFY 2022 capitalization grant which is \$18,037,000 and more than the BIL FFY 2022 capitalization grant which is \$27,745,000.

M. Loan Prepayment

CWSRF loan prepayment may be allowed under certain conditions upon prior written approval from the Program and the WDA. All requests will be evaluated against Program

policy and will not be considered earlier than ten years from loan closing unless under special circumstances. Refinancing through the Program will be the preferred option.

SECTION VI

Assurances

DEP has provided the necessary assurances and certifications as part of the operating agreement with EPA. The Operating Agreement defines the mutual obligations between EPA and DEP. The purpose of the OA is to provide a framework of procedures to be followed in the management and administration of the CWSRF. The OA includes the requirements of the following sections of the Clean Water Act:

- 602(a) - Environmental Reviews – the DEP will conduct the reviews in accordance with State regulations.
- 602(b)(2) - Anticipated Cash Draw Ratio (Proportionality) – State match funds are disbursed prior to using capitalization grant funds.
- 602(b)(3) - Binding Commitments – the DEP will enter into binding commitments for 120% of each quarterly grant payment within one year of receipt of the payment.
- 602(b)(4) - Expeditious and Timely Expenditures – the DEP will expend all funds in the CWSRF in a timely manner.
- 602(b)(5) - First Use for Enforceable Requirements – the DEP has certified that all national municipal policy projects have met this requirement.

These and other procedures are described in the OA and may be examined by contacting the DEP.

SECTION VII

Criteria and Method for Distribution of Funds

The following approach was used to update the priority list, intended use plan and projection of the distribution of all funds contained in the CWSRF:

1. Analysis of community and financial assistance needed;
2. Review of project schedule to determine when the project would be in a state of readiness to proceed to construction;

3. Individual contact with potential loan recipient or its representative;
4. Allocation of funds among projects;
5. Development of an EPA payment schedule which will provide for making timely binding commitments to projects selected for CWSRF financial assistance;
6. Development of individual disbursement schedules to timely pay project costs as incurred;
7. Analysis of NPS activities and the extent to which reserved funds would be needed for such projects; and
8. Estimate of administrative expenditures that will occur during the fiscal year.

SECTION VIII

Public Participation

Comments were received on the CWSRF IUP for FY2023 until June 30, 2022. A public meeting was held at 10:00 am on June 15, 2022 at the WV DEP Headquarters in Charleston, WV. The option to attend virtually was also offered. The notice was legally advertised in newspapers throughout the State. In addition, the DEP issued a notice of the IUP comment period by sending a mass mailing directly to consulting engineers, regional councils and other interested parties.

Appendix C contains the public comment notice and a summary of the comments.

SECTION IX

Agreement

The DEP has agreed to provide EPA with information for the environmental results for all loans closed during this fiscal year. This documentation is being requested by EPA to better ascertain the environmental results of projects funded under the CWSRF program.

APPENDIX A

FISCAL YEAR 2023 PROJECT PRIORITY LIST

FY2023 Priority List

Project	SRF #C	Ranking	PriorityPoints
Alderson, Town of	544700	132	45.00
Ansted, Town of	544584	85	90.00
Auburn, Town of	547201-02	3	185.00
Barboursville Sanitary Board, Village of	544615	102	70.00
Beckley Sanitary Board (Cranberry)	544701	103	70.00
Beckley Sanitary Board (Dry Hill)	544626	124	55.00
Beckley Sanitary Board (FC12 PS)	544702	133	45.00
Beckley Sanitary Board (Harper Crescent)	544703	134	45.00
Beckley Sanitary Board (Hedrick St.)	544704	104	70.00
Beckley Sanitary Board (Kanawha)	544705	152	25.00
Beckley Sanitary Board (Koch Ave)	544706	105	70.00
Beckley Sanitary Board (Maplewood Lane)	544707	106	70.00
Beckley Sanitary Board (Maxwell Woods)	544708	135	45.00
Beckley Sanitary Board (Northwestern)	544709	107	70.00
Beckley Sanitary Board (Operations Facility)	544710	160	20.00
Beckley Sanitary Board (Pinecrest)	544624	90	85.00
Beckley Sanitary Board (Ragland)	544711	161	20.00
Beckley Sanitary Board (Rail Trail)	544625	93	80.00
Beckley Sanitary Board (Robert C. Byrd Dr.)	544712	108	70.00
Beckley Sanitary Board (Whitestick)	544713	109	70.00
Beckley Sanitary Board (Woodcrest)	544714	136	45.00
Beckley Sanitary Board (Woodlawn)	544715	153	25.00
Belle, Town of	544662	97	75.00
Benwood, City of (CSO)	544613	4	185.00
Benwood, City of (Phase 3)	544716	5	170.00
Benwood, City of (Phase 4)	544717	6	170.00
Beverly Sewerage Department, Town of	544718	66	115.00

Project	SRF #C	Ranking	PriorityPoints
Big Bend PSD	544627	67	115.00
Bluefield Sanitary Board (Brushfork)	544719	110	70.00
Bluefield Sanitary Board (Midway)	544493	38	120.00
Bluewell PSD	544594	39	120.00
Boone County PSD	544494	40	120.00
Bradley PSD	544663	73	105.00
Bradshaw, Town of	544595	86	90.00
Brooke County PSD	544006-04	11	145.00
Buffalo Creek PSD	544555	137	45.00
Burnsville Public Utility Board (I&I)	544578	68	115.00
Burnsville Public Utility Board (Trailer Park Connection)	544720	138	45.00
Cameron Sanitary Board, City of	544091	87	90.00
Canaan Valley PSD (Phase II)	544560	150	35.00
Canaan Valley PSD (Zone A WWTP)	544721	94	80.00
Capon Bridge, Town of	544766	154	25.00
Carpendale, Town of	544722	111	70.00
Charles Town Utility Board	544686	88	90.00
Clay, Town of	544723	41	120.00
Clay, Town of	544614	34	125.00
Claywood Park PSD (Newark)	544498	91	85.00
Cowen PSD	544724	155	25.00
Crab Orchard-MacArthur PSD	544630	12	145.00
Davis, Town of (Capacity Expansion)	544725	10	155.00
Davis, Town of (Rehabilitation Project)	544726	8	165.00
Davy, Town of	544727	162	20.00
Delbarton, Town of	544201	13	145.00
Elk Valley PSD	N/A	163	20.00
Elkins Sanitary Board	544728	14	145.00

Project	SRF #C	Ranking	PriorityPoints
Ellenboro, Town of	544632	74	100.00
Enlarged Hepzibah PSD	544664	139	45.00
Flatwoods-Canoe Run PSD	544729	42	120.00
Flemington, Town of	544767	95	80.00
Flemington, Town of	544665	80	95.00
Follansbee Sanitary Board, City of	544599	43	120.00
Fort Gay, Town of	544607	69	115.00
Gary, City of	544501	70	115.00
Gilbert, Town of	544502	44	120.00
Glenville Utility Board	N/A	112	70.00
Grantsville, Town of	544634	75	100.00
Greater Harrison Co. PSD (Quiet Dell)	544730	164	20.00
Greater Harrison Co. PSD (River Crossing)	544635	165	20.00
Greater Harrison Co. PSD (Sludge Removal)	544658	156	25.00
Greater Harrison Co. PSD (Woodstock HTS)	544731	166	20.00
Greater Paw Paw Sanitary District	544666	15	145.00
Greater Saint Albans PSD	544406-04	16	145.00
Greenbrier PSD #2	544732	140	45.00
Hancock County PSD (Newell)	544733	98	75.00
Hancock County PSD (Route 2)	544691	76	100.00
Hillsboro, Town of	544667	149	40.00
Hinton, City of (CSO Abatement -Phase 1)	544550	17	145.00
Hinton, City of (CSO Abatement -Phase 2)	C-544698	18	145.00
Huttonsville PSD	544569-01	19	145.00
Kanawha PSD (Lens Creek)	544643	96	80.00
Kanawha PSD (Phase II)	544734	113	70.00
Keyser, City of	544690	92	85.00
Keyser, City of (I&I)	544764	45	120.00

Project	SRF #C	Ranking	PriorityPoints
Kingwood, City of	544735	71	115.00
Logan County PSD (Holden)	544669	167	20.00
Logan County PSD (Mud Fork)	544460-02	168	20.00
Lubeck PSD	544621	169	20.00
Malden PSD	544736	46	120.00
Marlinton, Town of	544670	81	95.00
Marmet Sanitary Board, Town of	544737	125	50.00
Mason County PSD (Apple Grove)	544699	47	120.00
Matewan, Town of	544482	114	70.00
McDowell County PSD (laeger)	544513	1	215.00
McMechen, City of	N/A	77	100.00
Mercer County PSD (Matoaka)	544671	115	70.00
Mineral Wells PSD	544639	29	135.00
Mingo County PSD (Chattaroy)	544312	20	145.00
Monongah, Town of	544738	21	145.00
Morgantown Utility Board (Bakers Ridge)	544640	157	25.00
Morgantown Utility Board (Cheat Lake)	544461	158	25.00
Morgantown Utility Board (Westover)	544590	99	75.00
Moundsville Sanitary/Stormwater Utility Bd	544739	22	145.00
Mount Hope, City of	544697	126	50.00
Mount Zion PSD	544521	48	120.00
Mullens, City of (Itmann)	544673	170	20.00
Mullens, City of (Maben)	544676	171	20.00
Mullens, City of (Otsego)	544677	172	20.00
Mullens, City of (Pierpont)	544678	49	120.00
Mullens, City of (WWTP)	544680	173	20.00
New Creek PSD	544740	50	120.00
New Martinsville, City of	544741	127	50.00

Project	SRF #C	Ranking	PriorityPoints
Newburg, Town of	544742	141	45.00
Nitro Regional Wastewater Utility	544652	51	120.00
North Beckley PSD	544617	35	125.00
North Hills, Town of	544743	116	70.00
Nutter Fort, Town of (Phase III)	544681	23	145.00
Nutter Fort, Town of (Phase IV)	544693	24	145.00
Oak Hill Sanitary Board	544623	36	125.00
Oakvale Road PSD	544682	100	75.00
Oceana, Town of	544694	37	125.00
Page-Kincaid PSD	544508-02	9	165.00
Parkersburg Utility Bd (Fort Boreman)	544744	52	120.00
Parkersburg Utility Bd (Hill Ave)	544745	53	120.00
Parkersburg Utility Bd (Marriott Road)	544654	54	120.00
Parkersburg Utility Bd (Worthington Creek)	544746	55	120.00
Parkersburg Utility Board	544683	30	130.00
Paw Paw, Town of	544684	82	95.00
Paw Paw, Town of (I&I)	544747	31	130.00
Pax, Town of	544685	120	65.00
Pea Ridge PSD (B Plant)	544657	142	45.00
Pea Ridge PSD (Holiday Park)	544609	2	190.00
Pea Ridge PSD (R2P2)	544576	32	130.00
Pennsboro, City of	544748	25	145.00
Point Pleasant, City of	544749	143	45.00
Preston County Sewer PSD	544750	83	95.00
Preston County Sewer PSD (Hazelton)	544751	89	90.00
Prichard PSD	544298	174	20.00
Ravenswood, City of	544428	128	50.00
Richwood, City of	544579	33	130.00

Project	SRF #C	Ranking	PriorityPoints
Ripley Sanitary Board, City of	544575	56	120.00
Romney, Town of	544656	129	50.00
Ronceverte, City of	544611	101	75.00
Rowlesburg, Town of	544644	57	120.00
Salem, City of	544752	58	120.00
Salt Rock Sewer PSD	544660	84	95.00
Shady Spring PSD	544645	117	70.00
Sissonville PSD	544570	130	50.00
Sistersville, City of	544653	118	70.00
Sistersville, City of (Virginia Terrace)	544696	59	120.00
Sophia Sanitary Board	544085	121	65.00
South Charleston Sanitary Board	544646	60	120.00
Southern Jackson County PSD	544246	61	120.00
St. Marys, City of	544753	159	25.00
Summit Park PSD	544754	144	45.00
Sun Valley PSD	544587	78	100.00
Thomas, City of	544755	62	120.00
Union PSD	544655	119	70.00
Union Williams PSD	544687	131	50.00
Union, Town of	544757	145	45.00
Vienna Utility Board	544758	146	45.00
Vienna Utility Board (Phase 2)	544688	147	45.00
Walton PSD	544166	27	140.00
Wardensville, Town of	544648	122	65.00
Wardensville, Town of (Solar)	544695	151	30.00
Wayne, Town of	544759	72	115.00
Webster Springs PSD (Phase I)	544689	79	100.00
Weirton Sanitary Board	544650	175	20.00

Project	SRF #C	Ranking	PriorityPoints
Wellsburg Sanitary Board	544577	7	170.00
West Fork Onsite Community Cooperative, Inc.	544605	26	145.00
West Union, Town of	544760	28	140.00
Weston, City of	N/A	123	65.00
White Oak PSD	544762	63	120.00
White Oak PSD (Carlisle-Pax Ext.)	544763	64	120.00
White Sulphur Springs, City of	544606	65	120.00
Williamson, City of	544544	148	45.00

Wastewater Treatment Needs Categories Definitions

I	CWT- SECONDARY TREATMENT
II	CWT – ADVANCED TREATMENT
III	CWT – INFILTRATION/INFLOW
IV	CWT – SEWER SYSTEM REHABILITATION
V	CWT – NEW COLLECTOR SEWERS
VI	CWT – NEW INTERCEPTORS
VII	CWT – CSO CORRECTION
VIII	STORMWATER – GRAY INFRASTRUCTURE
IX	STORMWATER – GREEN INFRASTRUCTURE
X	ENERGY CONSERVATION – ENERGY EFFICIENCY
XI	ENERGY CONSERVATION – RENEWABLE ENERGY
XII	WATER CONSERVATION – WATER EFFICIENCY
XIII	WATER CONSERVATION – WATER REUSE
XIV	NPS – AGRICULTURAL BMP'S, CROPLAND
XV	NPS – AGRICULTURAL BMP'S, ANIMALS
XVI	BROWNFIELDS
XVII	INDIVIDUAL/DECENTRALIZED SYSTEMS

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	McDowell County PSD (laeger)	\$1,500,000	\$7,900,000
1			
	SRF #C: 544513 County: McDowell NPDES #WV: 0000000 Binding Date: 12/31/2022	Needs Categories: NPS-Individual/Decentralized Systems	Problem Elimination of failing on-site wastewater treatment units. Solution Phase I will provide service to approximately 118 potential customers (295 persons) in the Town of laeger and surrounding areas of McDowell County. The proposed project consists of the construction of approximately 15,830 feet of 8-inch and smaller diameter gravity pipe, 7,165 feet of 6-inch and smaller diameter force main, 2,890 feet of 4-inch service laterals, four pumping stations, two grinder pumping stations, one 21,000 gallon per day treatment plant, modifications to an existing package treatment plant, 90 manholes, cleanouts and other related appurtenances.
Points	215.00		

Rank	Pea Ridge PSD (Holiday Park)	\$2,345,000	\$2,345,000
2			
	SRF #C: 544609 County: Cabell NPDES #WV: 0103110 Binding Date: 6/30/2023	Needs Categories: NPS-Individual/Decentralized Systems	Problem The Holiday Park WWTP is past the end of its useful life and is in deplorable condition. Treatment equipment is failing to function properly across the board and is, in general, beyond repair. Untreated wastewater is flowing directly into the lower Guyandotte River. Moreover, Holiday Park's collection system is incompletely documented. The location of gravity sewer mains, forcemains, and manholes is only known for a few small sections of the project area. This means that the condition of the collection system is unknown and cannot be effectively assessed. Solution This project proposes to decommission the existing Holiday Park WWTP and replace it with a new package WWTP to be installed on the same site. This project further proposes to completely replace the Holiday Park wastewater collection system. Cleanouts will be installed at the property lines of each customer in order to improve ease of maintenance.
Points	190.00		

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Auburn, Town of	\$2,482,850	\$2,482,850
3			
SRF #C:	Needs Categories:	Problem	
547201-02	NPS-Individual/Decentralized Systems	Raw sewage discharges to roadside ditches and to Bone Creek. Discharges are degrading water quality of Bone Creek and creating a certified health hazard.	
County:		Solution	
Ritchie		Installation of 50 individual Orenco AX20 treatment units and appurtenances to serve the Town of Auburn.	
NPDES #WV:			
0000000			
Binding Date:			
12/31/2022			
Points			
185.00			

Rank	Benwood, City of (CSO)	\$2,547,400	\$3,189,900
4			
SRF #C:	Needs Categories:	Problem	
544613	CWT-CSO Correction	Large amount of infiltration and inflow associated with the combined sewer system overwhelms Lift Station C and D and creates CSO events.	
County:		Solution	
Marshall		Installation of a new sanitary sewer system with the existing combined sewer system left in place to serve as a storm drainage system. Includes the removal of three CSO's from the system and eliminates the CSO's associated with Lift Stations C and D.	
NPDES #WV:			
0023230			
Binding Date:			
6/30/2023			
Points			
185.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Benwood, City of (Phase 3)		\$3,059,300	\$3,059,300
5				
SRF #C:	Needs Categories:	Problem		
544716	CWT-CSO Correction	Large amount of infiltration and inflow associated with the combined sewer system creates CSO events.		
County:		Solution		
Marshall		Sewer separation of the combined sewers to make separate sanitary and storm sewers. Includes the removal of four CSO's from the system.		
NPDES #WV:				
0023230				
Binding Date:				
6/30/2023				
Points				
170.00				

Rank	Benwood, City of (Phase 4)		\$4,443,300	\$4,443,300
6				
SRF #C:	Needs Categories:	Problem		
544717	CWT-CSO Correction	Large amount of infiltration and inflow associated with the combined sewer system creates CSO events.		
County:		Solution		
Marshall		Sewer separation of the combined sewers to make separate sanitary and storm sewers. Includes the removal of three CSO's from the system.		
NPDES #WV:				
0023230				
Binding Date:				
6/30/2023				
Points				
170.00				

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Wellsburg Sanitary Board	\$5,375,000	\$5,375,000
7			
SRF #C:	Needs Categories:	Problem	
544577	CWT-CSO Correction	During wet weather events, Wellsburg's CSO's discharge untreated wastewater into the Ohio River, reducing water quality and creating a public health hazard for the citizens of Wellsburg and communities downstream.	
County:		Solution	
Brooke		Project proposes to separate Wellsburg's wastewater and stormwater collection systems by constructing approximately 14,500 LF of gravity storm sewer line and all necessary appurtenances and redirecting all stormwater flows into this new system to be discharged to the area channels. Wastewater will continue to be conveyed to Wellsburg's WWTP for treatment and eventual discharge, eliminating Wellsburg's CSO's in the process.	
NPDES #WV:			
0026832			
Binding Date:			
6/30/2023			
Points			
170.00			

Rank	Davis, Town of (Rehabilitation Project)	\$5,799,000	\$5,799,000
8			
SRF #C:	Needs Categories:	Problem	
544726	CWT-Sewer System Rehabilitation CWT-CSO Correction	Reduce the volume of extraneous flows from entering the collection system causing sewer backups and discharges. Also, elimination of the permitted CSO's.	
County:		Solution	
Tucker		The Town is in the process of completing an I/I Study of the collection system to identify points of non-sanitary sewer entering the collection system. The results from the I/I Study will be used to define a rehabilitation project for the existing collection system which anticipates to consist of manhole rehab/replacement, sewer line rehab/replacement, elimination of permitted CSO's, improvements to the main sewer pump station, and improvements to the Town's wastewater treatment plant.	
NPDES #WV:			
0024848			
Binding Date:			
6/30/2023			
Points			
165.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Page-Kincaid PSD		\$2,920,000	\$3,000,000
9				
SRF #C:	Needs Categories:	Problem		
544508-02	NPS-Individual/Decentralized Systems	The community of Robson in Fayette County, near the district's existing service area does not currently have public wastewater service. Residents in Robson rely on individual septic systems for wastewater treatment, but these systems often struggle to provide effective treatment due to adverse soil conditions. These loosely regulated individual systems pose a public health risk.		
County:		Solution		
Fayette		This project proposes to construct a package WWTP and collection system to provide wastewater collection and treatment services to approximately 52 new customers in Robson. The collection system shall be a proprietary Septic Tank Effluent Pump/Septic Tank Effluent Gravity (STEP/STEG) system which will pump or gravity flow gray water from the existing septic systems through the collection system to the new package WWTP. The package WWTP itself shall have a treatment capacity of 20,000 GPD.		
NPDES #WV:				
0000000				
Binding Date:				
6/30/2023				
Points				
165.00				

Rank	Davis, Town of (Capacity Expansion)		\$3,038,700	\$5,038,700
10				
SRF #C:	Needs Categories:	Problem		
544725	CWT-Advanced Treatment	<ul style="list-style-type: none"> -Reduce the volume of extraneous flows from entering the collection system causing sewer backups and discharges. -Elimination of the permitted CSO's. -The Town is currently under a consent order and has received various notices of violation. 		
County:		Solution		
Tucker		The project consists of expanding the plant's capacity to 0.3 mgd and recommending a package activated sludge plant and converting the existing lagoon to a long-term sludge digestion/storage tank.		
NPDES #WV:				
0024848				
Binding Date:				
6/30/2023				
Points				
155.00				

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Brooke County PSD		\$4,950,000	\$5,950,000
11				
SRF #C:	Needs Categories:	Problem		
544006-04	CWT-Sewer System Rehabilitation CWT-New Collector Sewers	Currently, there is no public sewer service available in the areas proposed to be served in this project except for a failing package plant that serves a mobile home park. Residents currently utilize individual septic tanks and drain fields and in some cases the gray water is discharged into streams or drainage areas.		
County:		Solution		
Brooke		This Phase IIC project proposes to serve 184 customers along St. John's Road including the side roads from the end of the Phase I project to the intersection of Eldersville Road, tying into the Phase IIA collection system in two different locations and extend service further into Brooke County. Three pump stations will be constructed to serve this area.		
NPDES #WV:				
0084182				
Binding Date:				
6/30/2023				
Points				
145.00				

Rank	Crab Orchard-MacArthur PSD		\$1,997,602	\$9,645,000
12				
SRF #C:	Needs Categories:	Problem		
544630	CWT-New Collector Sewers	The proposed project will eliminate approximately 330 failing and inadequate on-site treatment units and direct discharges throughout the communities of Harper and Eccles.		
County:		Solution		
Raleigh		The proposed project will install a public wastewater collection system consisting of approximately 60,000 LF of 8-inch and smaller diameter gravity collection lines, 3,500 LF of 4-inch and smaller diameter forcemain, three pumping stations, 15 grinder pumping stations, 190 manholes and other related appurtenances. The proposed collection system extension will connect the Crab-Orchard MacArthur's existing Fitzpatrick wastewater collection and treatment system.		
NPDES #WV:				
0082309				
Binding Date:				
6/30/2023				
Points				
145.00				

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Delbarton, Town of	\$3,097,000	\$5,097,000
13			
SRF #C:	Needs Categories:	Problem	
544201	CWT-New Collector Sewers CWT-New Interceptors	Failing on-site wastewater treatment systems.	
County:		Solution	
Mingo		Installation of a centralized gravity wastewater collection system, serving 200 new customers.	
NPDES #WV:			
0042374			
Binding Date:			
6/30/2023			
Points			
145.00			

Rank	Elkins Sanitary Board	\$3,480,200	\$3,480,200
14			
SRF #C:	Needs Categories:	Problem	
544728	CWT-CSO Correction	Through the current long-term control plan, the City of Elkins has been separating sewers to reduce the amount of clean water reaching the sewer system. Current project will continue this trend.	
County:		Solution	
Randolph		Perform next phase of improvements to the wastewater system to address separating combined sewers upstream from the most active CSO (005). This includes rerouting sewers from the Cherokee Lift Station to the Glendale Lift Station.	
NPDES #WV:			
0020028			
Binding Date:			
6/30/2023			
Points			
145.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Greater Paw Paw Sanitary District		\$2,930,000	\$2,930,000
15				
SRF #C:		Needs Categories:	Problem The Greater Paw Paw Sanitary District (GPPSD) system experiences large amounts of I&I during rainfall events. GPPSD has an implementation schedule in place requiring improvements to the existing sewer system to reduce the influence of I&I and eliminate the need for CSO outfalls. Solution A new gravity collection system, along with replacing a forcemain will be constructed in the Greentown area as well as other portions of the system. The new system will separate the existing system and storm water flows from the sanitary sewer collection system. Any unauthorized inflow into the collection system are intended to be identified and removed from the collection system throughout the various portions of the system where the project will be located; namely Greentown, additional portions of Fairview and Grant Town.	
544666		CWT-CSO Correction		
County:				
Marion				
NPDES #WV:				
0084310				
Binding Date:				
6/30/2023				
Points				
145.00				

Rank	Greater Saint Albans PSD		\$16,091,000	\$20,591,000
16				
SRF #C:		Needs Categories:	Problem Residents in several areas of the Greater St. Albans PSD's service area remain on failing individual septic systems, malfunctioning package treatment plants or have no wastewater treatment system at all and some are contributing to raw sewage in the Coal River. Solution The PSD has opted to provide sewer service for approximately 347 new customers. These customers would be served via gravity sewer extensions that will also utilize pumping stations. Additional pumping stations, a bar screen, and approximately 3 miles of force main will be constructed to pump wastewater to the City of St. Albans Municipal Utility Commission for wastewater treatment.	
544406-04		CWT-New Collector Sewers CWT-New Interceptors		
County:				
Kanawha				
NPDES #WV:				
0035068				
Binding Date:				
6/30/2023				
Points				
145.00				

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Hinton, City of (CSO Abatement -Phase 1)		\$1,270,000	\$4,820,000
17				
SRF #C:	Needs Categories:	Problem		
544550	CWT-CSO Correction	Reduction in the frequency and duration of the discharge from permitted discharge CSO 007 and CSO 006.		
County:		Solution		
Summers		Replacement of existing outdated wastewater collection system and pumping station.		
NPDES #WV:				
0024732				
Binding Date:				
12/31/2022				
Points				
145.00				

Rank	Hinton, City of (CSO Abatement -Phase 2)		\$2,280,000	\$3,780,000
18				
SRF #C:	Needs Categories:	Problem		
C-544698	CWT-CSO Correction	Reduce inflow & infiltration in the wastewater system to reduce the frequency and duration of the combined sewer/storm water discharge from permitted discharges CSO 007 and CSO 006 into the New River in the Bellepoint area to comply with the submitted LTCP that is currently being reviewed by WVDEP.		
County:		Solution		
Summers		This CSO Abatement-Phase 2 Project in the Greenbrier Drive area of Bellepoint proposes to reduce inflow and infiltration by (1) upgrading the existing wastewater collection system in the Greenbrier Drive (WV Route 3) area of Bellepoint which is generally located along Route 3 adjacent to the Greenbrier River, and (2) removing existing storm drain connections from the wastewater collection system.		
NPDES #WV:				
0024732				
Binding Date:				
6/30/2023				
Points				
145.00				

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Huttonsville PSD	\$2,940,000	\$4,000,000
19			
	SRF #C:	Needs Categories:	Problem
	544569-01	CWT-Advanced Treatment	1. Provide the existing treatment plant capability to treat ammonia-nitrogen as required by the NPDES permit. Plant will also undergo some rehabilitation of the piping system and increase the wet weather flow capacity. 2. Install flow monitoring equipment that will gather data of wastewater pumped, wastewater spills (if any), and rainfall in the communities of East Dailey, Dailey, and Valley Bend that will generate accurate information to design a system that will eliminate all sewer overflows. The project to implement the elimination of overflows will be undertaken at a future date.
	County:		Solution
	Randolph		Treatment plant piping rehabilitation and retrofit 130 units of Bio-Domes, as manufactured by WCS, in each of the last two cells complete with blowers and air piping to facilitate the treatment for Ammonia-Nitrogen. New baffles (to reduce short circuiting of wastewater flow) in the aeration pond and floating covers (to reduce algae growth) will also be installed.
	NPDES #WV:		
	0080535		
	Binding Date:		
	9/30/2022		
Points			
145.00			

Rank	Mingo County PSD (Chattaroy)	\$1,000,000	\$3,595,000
20			
	SRF #C:	Needs Categories:	Problem
	544312	CWT-Sewer System Rehabilitation CWT-New Collector Sewers	Eastern Chattaroy and surrounding areas do not currently have public sanitary sewer service. Most residents in the area rely on individual home septic systems. Local soils are classed as udorthent and urban land soils which are ill suited to support septic systems. The existing Chattaroy system is in poor condition and in need of rehabilitation and replacement, I&I rate is almost 60%. Also, a landfill near eastern Chattaroy is currently transporting its leachate overland to the Williamson WWTP for treatment and disposal, creating a risk of environmental exposure should leachate leak out in transit.
	County:		Solution
	Mingo		Project proposes to rehabilitate or remove and replace approximately 3,200 LF of 8" gravity sewer main, 1,700 LF of 4" gravity sewer main, 75 manholes, and all necessary appurtenances as well as the main Chattaroy Pump Station. It further proposes to extend wastewater service along US Route 52 through eastern Chattaroy to the landfill. Extension will entail the installation of approximately 8,700 LF of 8" gravity sewer main, 1,750 LF of 4" gravity sewer main, 41 manholes, 200 LF of 1-1/4" forcemain, one grinder PS, and all necessary appurtenances.
	NPDES #WV:		
	0037699		
	Binding Date:		
	9/30/2022		
Points			
145.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Monongah, Town of		\$1,000,000	\$1,500,000
21				
SRF #C:	Needs Categories:	Problem		
544738	CWT-Sewer System Rehabilitation	Portions of the town of Monongah's existing sanitary sewer collection system are in poor condition and allow inflow and infiltration (I&I) into the collection system. The increase in I&I causes the town's CSO's to overflow on a regular basis during rain events.		
County:		Solution		
Marion		An I&I study has been completed to identify locations and the severity of the issues. Measures have been designed to repair the issues in the sanitary sewer collection system and reduce the frequency of CSO events. A portion of the gravity sewer system will be rehabilitated to remove I&I and allow for more efficient operation of the system.		
NPDES #WV:				
0027324				
Binding Date:				
7/31/2022				
Points				
145.00				

Rank	Moundsville Sanitary/Stormwater Utility Bd		\$4,210,000	\$4,210,000
22				
SRF #C:	Needs Categories:	Problem		
544739	CWT-Secondary Treatment CWT-CSO Correction	Gas handling equipment for the anaerobic digesters at the WWTP is beyond its design life. Combined sewers upstream of the WWTP are noted in the LTCP to require inflow source removal.		
County:		Solution		
Marshall		Replacing the sludge heating system for the anaerobic digesters at the WWTP and cleaning the digester. Replacing trunk sewers upstream from the WWTP, sewer lining for select sewers and rehabilitating the junction chamber at the WWTP.		
NPDES #WV:				
0023264				
Binding Date:				
6/30/2023				
Points				
145.00				

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Nutter Fort, Town of (Phase III)		\$950,000	\$1,900,000
23				
SRF #C:	Needs Categories:	Problem		
544681	CWT-CSO Correction	The existing sanitary sewer system currently has significant I&I flowing into its system. The system is also a CSO system.		
County:		Solution		
Harrison		The project includes conducting smoke/dye testing to identify problem areas affected by I&I and installing corrective measures where issues are located. The corrective measures will include replacement of existing sanitary sewer lines and installing storm sewer structures to separate the sewer flows from the stormwater between Nutter Fort and the Stonewood Sanitary Sewer Systems to monitor I&I from the Stonewood Sanitary Sewer System.		
NPDES #WV:				
0100901				
Binding Date:				
7/31/2022				
Points				
145.00				

Rank	Nutter Fort, Town of (Phase IV)		\$1,000,000	\$2,000,000
24				
SRF #C:	Needs Categories:	Problem		
544693	CWT-Sewer System Rehabilitation	<p>-The existing sanitary sewer line in the blocks of WV Ave from Washington St. to Franklin St. has been found to be in extremely poor condition and is causing a multitude of operation and maintenance issues for the Town.</p> <p>-The 36" storm sewer line along WV Route 20 has also been found to be in failing condition and is at risk of collapse. Multiple sections of this line lie underneath existing buildings. If these sections of line collapse, the Town would have no way to divert the flows, causing serious backups and damage to the surrounding buildings and private property.</p>		
County:		Solution		
Harrison		This project is Phase IV of the Town of Nutter Fort's Draft Long Term Control Plan which was submitted to the WVDEP for review in December 2012. This project proposes to replace approximately 2,000 LF of 8" sanitary sewer line in the WV Ave block from Washington St. to Franklin St. The project will also replace and reroute approximately 500 LF of 36" line. The existing 36" line will be grout filled and abandoned.		
NPDES #WV:				
0100901				
Binding Date:				
12/31/2022				
Points				
145.00				

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Pennsboro, City of	\$6,808,200	\$7,808,200
25			
SRF #C:	Needs Categories:	Problem	
544748	CWT-Infiltration/Inflow CWT-Sewer System Rehabilitation	Currently the City of Pennsboro is experiencing large amounts of inflow & infiltration (I&I) into their system, accounting for approximately 87% of the flow that is being sent to the WWTP currently. Due to this the City's WWTP is experiencing Overflow or Surges at the WWTP which is not allowing for proper treatment of the Wastewater that is being sent to the plant. Along with improper treatment the plant is not sized to handle the large amounts of I&I and is exceeding its design max flow on a normal basis.	
County:		Solution	
Ritchie		-Preliminary I&I study that will include Flow Monitoring, CCTV Camera Evaluation and Smoke testing of the system to determine overall health of sanitary sewer collection system and determine areas of heavy I&I. -Once areas of concern have been determined construction plans will be designed and produced for reduction in I&I and sanitary sewer rehabilitation. Construction plans include: Remove and replace existing sanitary sewer line and manholes, sanitary sewer pipe and manhole lining, manhole rehabilitation and evaluation and existing pump stations upgrades.	
NPDES #WV:			
0025739			
Binding Date:			
6/30/2023			
Points			
145.00			

Rank	West Fork Onsite Community Cooperative, Inc.	\$1,683,380	\$4,018,380
26			
SRF #C:	Needs Categories:	Problem	
544605	NPS-Individual/Decentralized Systems	Primary problems to be rectified by the proposed project are those acute health and environmental consequences of the discharge of raw or partially treated sewage in the local waterways.	
County:		Solution	
Harrison		Phase I (Design and Construct)-Provide sanitary sewer service to 135 residential and 2 commercial users in and around Arlington. Project will utilize STEP systems to collect and transport primarily treated "gray" water to on-site treatment facility, meeting NPDES discharge permit limits. Septic tanks will be owned and maintained by the Cooperative. Septic tanks will be cleaned out periodically and sludge will be transported to a POTW for further treatment and disposal. Phase II-Finish the build out of treatment plant and provide service to remaining three communities.	
NPDES #WV:			
0000000			
Binding Date:			
6/30/2023			
Points			
145.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Walton PSD	\$4,161,300	\$8,161,300
27			
SRF #C:	Needs Categories:	Problem	
544166	NPS-Individual/Decentralized Systems	The discharge of raw sewage into roadside ditches, area creeks and Pocatalico River has created the potential for health hazard conditions within the PSD's service area. The water quality of the Pocatalico River, Silcott Fork and Biglick Run is being degraded, especially during dry periods that produce low stream flows, by those discharges. The Pocatalico River was listed by the WVDEP as a degraded waterway on their 303d list from River Mile 45 to its headwaters due to unidentified biological (sewage) contamination.	
County:		Solution	
Roane		Installation of a conventional collection and treatment system at Walton PSD.	
NPDES #WV:			
0000000			
Binding Date:			
12/31/2022			
Points			
140.00			

Rank	West Union, Town of	\$4,000,000	\$16,740,000
28			
SRF #C:	Needs Categories:	Problem	
544760	CWT-Secondary Treatment CWT-Sewer System Rehabilitation	Existing WWTP has been in service since 1998, discharging to Middle Island Creek. Plant is undersized for expected growth in local prison and has experienced great operation & maintenance costs. WWTP with normal wear and tear and expected flow increase, is not expected to keep up with demand. Existing collection system is currently under sized and is deteriorating leading to increased I&I and higher flows are occurring within WWTP during large storm events. Proposed project would replace these lines with a 6" HDPE FM. Existing WWTP upgrade is to accommodate increased flow and better treat incoming wastewater.	
County:		Solution	
Doddridge		-West Union currently provides wastewater collection and treatment service to approximately 514 customers including the WV North Central Regional Jail. -Project will replace 4.26 miles of existing collection force main, 100 linear feet of gravity main, and three manholes to meet the needs of current customers and anticipated demand from future expansion at WV North Central Regional Jail. -Project also includes demolition and replacement of existing WWTP. The current 200,000 GPD plant will be replaced with WWTP capable of treating 750,000 GPD.	
NPDES #WV:			
0020109			
Binding Date:			
6/30/2023			
Points			
140.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Mineral Wells PSD	\$6,584,100	\$7,084,100
29			
SRF #C:	Needs Categories:	Problem	
544639	CWT-Sewer System Rehabilitation	System has issues with age and capacity. Project will address age issues with the grinder system and remove bottlenecks associated with undersized lift stations and force mains.	
County:		Solution	
Wood		Project includes: Extending the force main from the Stoops Rd Lift Station to the Jackson Run Lift Station; extending 12" gravity sewer across Tygart Creek and SR 21 to the proposed Route 21 Lift Station; improvements to 148 grinder stations; improvements to the Bonnaville Lift Station; extending a new force main across I-77 from the Jackson Run Lift Station to the WWTP; and installing a second headworks at the WWTP.	
NPDES #WV:			
0081141			
Binding Date:			
12/31/2022			
Points			
135.00			

Rank	Parkersburg Utility Board	\$25,048,500	\$25,048,500
30			
SRF #C:	Needs Categories:	Problem	
544683	CWT-Sewer System Rehabilitation Energy Conservation-Energy Efficiency	The PS replacement project with deep interceptors was part of an overall SSO abatement strategy developed by PUB and submitted as an engineering report to satisfy Administrative Order No. 4566. Existing Kanawha and Summers St. PS's are undersized for flows to be handled and are at the end of their useful life. To meet future demands, they will require expansion and extensive improvements. An analysis comparing the 20 year capacity improvements/rehabilitation and operational costs of continuing to use the PS's versus elimination of the PS's in lieu of deeper intercepting sewers, was performed.	
County:		Solution	
Wood		Recommended improvements included eliminating the Kanawha and Summers St. PS's and replacing with refurbished, higher capacity stations. A desk top study identified the deeper interceptors as a feasible alternative to the PS's. Since report was submitted in 2018, PUB authorized Strand to prepare a Pre-design Investigation for Neil Run and Little Kanawha Interceptors, that further developed the route design concepts.	
NPDES #WV:			
0023213			
Binding Date:			
6/30/2022			
Points			
130.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Paw Paw, Town of (I&I)	\$1,438,047	\$2,438,047
31			
SRF #C:	Needs Categories:	Problem	
544747	CWT-Sewer System Rehabilitation	Reduce the volume of extraneous flows from entering the collection system causing sewer backups and operational issues at the WWTP.	
County:		Solution	
Morgan		The Town is in the process of completing an I/I Study of the collection system to identify points of non-sanitary sewer entering the collection system. The results from the I/I Study will be used to define a rehabilitation project for the existing collection system which will consist of manhole rehab/replacement, and sewer line rehab/replacement.	
NPDES #WV:			
0027405			
Binding Date:			
6/30/2023			
Points			
130.00			

Rank	Pea Ridge PSD (R2P2)	\$28,500,000	\$43,330,000
32			
SRF #C:	Needs Categories:	Problem	
544576	CWT-Secondary Treatment CWT-New Collector Sewers CWT-New Interceptors Energy Conservation-Energy Efficiency	Pea Ridge's A WWTP is experiencing flows more than permitted limit. In addition, recent construction of WV Route 193 through Pea Ridge's service territory provided a way for Pea Ridge to provide sanitary sewer service to more than 700 residential and commercial customers along WV Route 2 which do not have access to public sanitary sewer service. These potential customers rely on an eclectic mix of package WWTP's and individual septic systems, home aeration units, or sewage lagoons. Many of these individual systems are failing.	
County:		Solution	
Cabell		This project proposes to construct approximately 13 miles of sanitary sewer mains, forcemains, and all necessary appurtenances to provide sanitary sewer service to customers within Pea Ridge's service territory along WV Route 2. It further proposes to upgrade Pea Ridge's A WWTP to receive the increased flow as well as additional flows generated by the extension and potential future flows from Barboursville. Barboursville has pledged \$2,500,000 in support of this project.	
NPDES #WV:			
0027413			
Binding Date:			
9/30/2022			
Points			
130.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Richwood, City of	\$4,784,000	\$6,864,000
33			
SRF #C:	Needs Categories:	Problem	
544579	CWT-Infiltration/Inflow CWT-Sewer System Rehabilitation	The city of Richwood's current collection and treatment system is experiencing large amounts of I&I. The large amount of I&I is being experienced due to two main reasons, having a combined sewer and storm system and the immense damage that the collection system obtained during the June 2016 flood event. This resulted in the plant is not complying with the NPDES permit and the city has unpermitted discharge to the Cherry River daily. Richwood currently has multiple notices of violation and is currently under consent order by the WVDEP.	
County:		Solution	
Nicholas		The project being proposed is phase 1 of a two phased project. This phase 1 project will consist of repairing damage within the existing collection system. These repairs will include the removal and replacement of sanitary sewer lines, installation of new sewer interceptors in locations less susceptible to damage from flooding where practical, installation of a new lift station, and replacement of flow meters that were damaged during the June 2016 flood.	
NPDES #WV:			
0022004			
Binding Date:			
3/31/2023			
Points			
130.00			

Rank	Clay, Town of	\$899,609	\$7,091,500
34			
SRF #C:	Needs Categories:	Problem	
544614	CWT-Secondary Treatment CWT-Sewer System Rehabilitation	As much as 90% of the Town's influent comes from I&I, however which parts are unknown due to lack of mapping and flow data. Some of the pump stations have failed and caused discharges directly into the river. The plant itself has major mechanical and electrical issues relating to the Zimpro Countercurrent, so much so that only one of the units is currently being used and it is failing mechanically. There have been several instances of the plant exceeding permitted capacity and discharge limits. The sludge processing is currently inadequate.	
County:		Solution	
Clay		The sewage collection system will undergo smoke testing to determine which parts are causing the most I&I issues. The pumping stations will be upgraded to address the mechanical and electrical issues and the plant will also be upgraded to return it to reliable service.	
NPDES #WV:			
0022055			
Binding Date:			
12/31/2022			
Points			
125.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	North Beckley PSD	\$13,172,000	\$13,232,000
35			
SRF #C:	Needs Categories:	Problem	
544617	CWT-Advanced Treatment CWT-Infiltration/Inflow	1. I&I and sanitary sewer overflows in the wastewater collection system and overflows at the WWTP. 2. Existing WWTP equipment and metal pretreatment building are at the end of their useful life. 3. Increase sludge dewatering capabilities. 4. Some of the plant facilities are single trains that cannot be taken out of service for maintenance and repairs unless the flow is bypassed.	
County:		Solution	
Raleigh		1. Perform I&I study of wastewater collection system to identify problem areas. 2. Upgrade existing Sprague LS and FM, sewer lines, and manholes to reduce sanitary sewer overflows in wastewater collection system, especially in the Whitestick Creek watershed area where spills most commonly occur. 3. Upgrade existing WWTP to increase capacity for future demands and to treat peak flows, provide additional parallel treatment units, and replace worn out plant equipment, metal pretreatment building, and other related work.	
NPDES #WV:			
0027740			
Binding Date:			
12/31/2022			
Points			
125.00			

Rank	Oak Hill Sanitary Board	\$3,488,000	\$7,163,000
36			
SRF #C:	Needs Categories:	Problem	
544623	CWT-Infiltration/Inflow	Oak Hill currently experiences I&I at an elevated rate of 60% (approx. 654,501 GPD) due to aging collection infrastructure in both its original Minden and Route 621 systems, and the former Arbuckle system. It's allowable I&I, based on the diameter and length of its gravity sewer mains and BPH regulations is only 102,530 GPD, more than six-fold less than reality. In addition, Oak Hill's Minden pump stations are in poor condition and are in need of repair in order to continue providing effective service.	
County:		Solution	
Fayette		This project proposes to remove and replace various sections of gravity sewer main in the Minden system to reduce and/or eliminate I&I. It further proposes to rehabilitate two of Oak Hill's existing Minden pump stations to prolong their useful life. Another two pump stations will be decommissioned and replaced by constructing a new gravity sewer line feeding a single pump designed to handle the flows of both previous stations.	
NPDES #WV:			
0020281			
Binding Date:			
12/31/2022			
Points			
125.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Oceana, Town of	\$361,000	\$1,805,000
37			
SRF #C:	Needs Categories:	Problem	
544694	CWT-Sewer System Rehabilitation	A smoke testing study was completed in the summer of 2020 that identified a number of deficiencies in the collection system, including storm sewer cross connections, broken sewer mains and laterals and leaking manholes.	
County:		Solution	
Wyoming		Replace approximately 3000 LF of 6-inch, 8-inch, and 10-inch GSP, install 1900 LF of 18-inch storm drain and replace 10 manholes.	
NPDES #WV:			
0024431			
Binding Date:			
6/30/2023			
Points			
125.00			

Rank	Bluefield Sanitary Board (Midway)	\$1,340,000	\$2,688,000
38			
SRF #C:	Needs Categories:	Problem	
544493	CWT-Sewer System Rehabilitation	Area 1 (Midway)-Inflow and infiltration issues in the overall system. Area 2 (Thompson Pump Station Area)-Dated forcemain lift stations.	
County:		Solution	
Mercer		Area 1 (Midway)-Replacement of the Midway sewer system. Area 2 (Thompson Pump Station Area)-Feasible solution is to replace forcemain with new gravity lines, eliminating two forcemain lift stations and upgrade existing main pump station. This would add 21 potential customers to this area along Nichols Road.	
NPDES #WV:			
0023141			
Binding Date:			
6/30/2023			
Points			
120.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Bluewell PSD	\$14,600,000	\$15,600,000
39			
SRF #C:	Needs Categories:	Problem	
544594	CWT-Advanced Treatment CWT-Sewer System Rehabilitation	<ol style="list-style-type: none"> 1. The existing 400,000 GPD WWTP located at Montcalm, which is ~57 years old and is at the end of its useful life. 2. Four existing lift stations in the Montcalm area which are ~57 years old and are at the end of their useful life. These existing wet well/underground dry pump pit stations also present safety issues for personnel in maintaining the pumping and electrical equipment. 3. Reduce inflow and infiltration in the existing gravity sewer collection system to reduce sanitary sewer overflows. 	
County:		Solution	
Mercer		<ol style="list-style-type: none"> 1. Upgrade the existing 400,000 gpd WWTP to a 600,000 GPD WWTP. 2. Replace the four lift stations in the Montcalm area with wet-well type lift stations with submersible pumps. 3. Replace sections of the existing gravity sewer collection system to reduce inflow and infiltration to reduce the flow to the WWTP and to reduce sanitary sewer overflows. 	
NPDES #WV:			
0028134			
Binding Date:			
6/30/2023			
Points			
120.00			

Rank	Boone County PSD	\$4,690,800	\$4,725,000
40			
SRF #C:	Needs Categories:	Problem	
544494	CWT-Secondary Treatment CWT-Sewer System Rehabilitation	<p>Certain items at the WWTP have outlived their useful life and it is time to replace these units. Also, there is inflow and infiltration in the West Madison system that causes excessive flows when rain events occur. These two areas are the main concerns.</p>	
County:		Solution	
Boone		<p>Upgrade certain collection system components in/near West Madison and upgrade the Danville Wastewater Treatment Plant by replacing mechanical bar screen, upgrade the Orbal unit, replacing UV unit, replacing belt filter with fan press, and upgrading capacity via addition of third clarifier. Measures implemented will help the LTCP compliance.</p>	
NPDES #WV:			
0035939			
Binding Date:			
6/30/2023			
Points			
120.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Clay, Town of	\$2,065,475	\$2,065,475
41			
SRF #C:	Needs Categories:	Problem	
544723	CWT-Sewer System Rehabilitation	A smoke testing study identified several defects in the existing collection system including broken and root infested interceptors, damaged and leaking manholes and storm sewer cross connections. Seventy five percent of flows treated at the WWTP are I/I related. Repairs and/or replacement of damaged pipe and manholes will reduce the quantities of extraneous water entering the collection system.	
County:		Solution	
Clay		Replace 2000 LF of existing 8-inch and 1500 LF of existing 4-inch GSP, replace 2700 LF of 10-inch GSP by pipebursting, replace 35 manholes, install 300 LF 18-inch storm sewer pipe and 4 drop inlets and other required appurtenances.	
NPDES #WV:			
0020672			
Binding Date:			
6/30/2023			
Points			
120.00			

Rank	Flatwoods-Canoe Run PSD	\$2,997,752	\$4,497,752
42			
SRF #C:	Needs Categories:	Problem	
544729	CWT-New Collector Sewers	Failing on-site treatment systems	
County:		Solution	
Braxton		The project will propose sewer to extend to the Holly Gray Park area and provide approximately 77 residents, one public authority, and one recreational area with public sewer services.	
NPDES #WV:			
0084042			
Binding Date:			
6/30/2023			
Points			
120.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Follansbee Sanitary Board, City of	\$9,269,865	\$10,269,865
43			
	SRF #C:	Needs Categories:	Problem
	544599	CWT-Secondary Treatment	Combined sewer overflows and some of the North, South, Brooke Street, Center Street, and Lee Street pumping stations have reached the end of their useful life and need to be replaced. Some equipment in the treatment plant needs to be upgraded and/or replaced.
	County:	CWT-Sewer System Rehabilitation	
	Brooke	CWT-CSO Correction	
	NPDES #WV:		
	0020273		Solution
	Binding Date:		Replacement of five sewage pumping stations, replacement/rehabilitation of targeted treatment equipment, and construction of new storm and sanitary sewer lines in the collection system to facilitate the primary natural waterways from the hills to the Ohio River without mixing with the sanitary sewer collection lines. This is targeted separation of storm and sanitary sewer lines.
Points	3/31/2023		
120.00			

Rank	Gilbert, Town of	\$2,928,000	\$4,428,000
44			
	SRF #C:	Needs Categories:	Problem
	544502	CWT-New Collector Sewers	Failing on-site wastewater treatment systems.
	County:	CWT-New Interceptors	
	Mingo		
	NPDES #WV:		
	0103748		Solution
	Binding Date:		New centralized gravity collection system to replace the existing failing on-site treatment systems, serving 83 new customers.
Points	6/30/2023		
120.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Keyser, City of (I&I)	\$5,675,140	\$6,675,140
45			
SRF #C:	Needs Categories:	Problem	
544764	CWT-Infiltration/Inflow CWT-Sewer System Rehabilitation	From September 2019 to September 2021, the City treated an average of 1.042 MGD, but during storm events the City treated up to 5.3331 MGD. The City recorded 36.57% I&I for the year of 2020. The City's WWTP is permitted to treat 2.4 MGD, but the collection system is not capable of handling the same high flows, resulting in capacity problems. Some problem areas have been identified, including Lynmar St., Water St., and Thunder Hill Run, but further investigation is needed. A bottleneck has been identified along the main gravity line on Water St. which causes backups and prevents flow from entering the PS.	
County:		Solution	
Mineral		The proposed project consists of a comprehensive inflow and infiltration study, sewer model of the existing system, preliminary engineering report, and upgrading of 7,500 LF and 43 MHs along the main gravity line along Water Street to the pump station. The I&I Study is comprised of comprehensive mapping of the collection system, flow monitoring, manhole inspections, acoustic inspection of all sewer lines, review of previous smoke testing reports, additional smoke testing as needed, and preparation of comprehensive I/I report and map book.	
NPDES #WV:			
0024392			
Binding Date:			
6/30/2023			
Points			
120.00			

Rank	Malden PSD	\$5,910,000	\$7,910,000
46			
SRF #C:	Needs Categories:	Problem	
544736	CWT-New Collector Sewers	Malden has identified two major neighborhoods within its service territory which do not currently have access to public sanitary sewer service, Driftwood Drive neighborhood in the unincorporated community of Rand, WV, and Simmons Creek neighborhood north of Belle, WV. Residents and churches in these communities rely on individual septic systems, the condition of which is currently unknown and likely to vary considerably. Between the 2 neighborhoods, approximately 80 residences are affected.	
County:		Solution	
Kanawha		Extend sanitary sewer to Simmons Creek and Driftwood Dr. Approx. 1,600 LF of gravity sewer mains, 15 manholes (MH), and all necessary appurtenances will be installed in Driftwood Dr., allowing wastewater to flow by gravity into Malden's existing coll. syst. in Rand. Construct approx. 12,000 LF of gravity sewer mains, 14,000 LF of forcemain, one new pump station (PS), 50 MH, and all necessary appurtenances to convey wastewater from Simmons Creek to Malden. Wastewater will flow by gravity to PS near neighborhood entrance. PS will pump wastewater north along US Rt 60 to Malden's existing coll. Syst. in Dupont City.	
NPDES #WV:			
0050610			
Binding Date:			
6/30/2023			
Points			
120.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Mason County PSD (Apple Grove)	\$1,500,000	\$20,975,000
47			
	SRF #C:	Needs Categories:	Problem The Apple Grove area of Mason County does not currently have public sanitary sewer service. This poses an impediment to economic development in the area. Local businesses own and operate expensive package wastewater treatment plants while residents rely on individual septic systems of variable condition and quality. New businesses are hesitant to locate in the area due to the lack of sewer service, despite the availability of large tracts of prime industrial land. This project aims to provide the area with sanitary sewer service through the PSD.
	544699	CWT-Secondary Treatment CWT-New Collector Sewers	
	County:		
	Mason		
	NPDES #WV:		
	0000000		
	Binding Date:		Solution This project will construct a third wastewater collection and treatment system in Apple Grove. Gravity sewer mains, manholes, pump stations, forcemains, and all necessary appurtenances will be constructed to conduct wastewater from homes and businesses in Apple Grove to a new centralized WWTP which shall have adequate capacity for the current residents and anticipated future industrial customers.
	12/31/2022		
Points	120.00		

Rank	Mount Zion PSD	\$3,368,500	\$3,368,500
48			
	SRF #C:	Needs Categories:	Problem -The steel treatment plant tankage is severely corroded, and the blowers, pumps, controls and instrumentation are failing. The pumps and controls have reached the end of their useful lives and are failing. Neither the treatment plant nor the pumping stations have telemetry equipment or emergency generators. -Spills of raw sewage have occurred because of equipment failures.
	544521	NPS-Individual/Decentralized Systems	
	County:		
	Calhoun		
	NPDES #WV:		
	0101702		
	Binding Date:		Solution Replace the existing package plant with new HDPE tankage (MBBR treatment technology) and replace existing pumps and controls. Also, install telemetry equipment and emergency generators.
	6/30/2023		
Points	120.00		

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Mullens, City of (Pierpont)	\$1,057,000	\$4,097,000
49			
SRF #C:	Needs Categories:	Problem	
544678	CWT-Secondary Treatment	<p>Project will eliminate a significant source of pollution (pollutants commonly found in residential, commercial and community wastewater) in receiving stream, Slab Fork of the Guyandotte River. It is noteworthy that the Guyandotte River is an excellent fishery, and two threatened/endangered species of crayfish have been discovered therein. Also, subject property will eliminate health hazards posed by overfull and failing septic tanks and field lines, as well as hazards posed by raw wastewater discharged into local streams. Project will improve the area's appeal by eliminating unpleasant sights and odors.</p> <p>Solution</p> <p>The proposed project will include the design and construction of a wastewater collection system for the community of Pierpont, WV. The project will include the construction/installation of a wastewater treatment plant. Preliminary study indicates that a package plant will be the best choice.</p>	
County:	CWT-New Collector Sewers		
Wyoming	CWT-New Interceptors		
NPDES #WV:			
0000000			
Binding Date:			
6/30/2023			
Points			
120.00			

Rank	New Creek PSD	\$1,000,000	\$4,650,700
50			
SRF #C:	Needs Categories:	Problem	
544740	CWT-Infiltration/Inflow	<p>Proposed projects completion will reduce operation and maintenance costs by reducing the amount of inflow and infiltration entering the sewer system along with serving previously unserved areas with failing septs.</p> <p>Solution</p> <p>Project will consist of rehabilitation efforts to existing collection system as well as line extensions serving unserved areas. Rehabilitation efforts will consist of manhole lining, installing new watertight frame and cover, flushing/jetting sewer lines, and other miscellaneous manhole repairs for reducing the amount of inflow and infiltration entering the sewer system. Sewer line extension will consist of approx. 30,000 LF of 8" PVC sewer line, 100 manholes, and a new pump station serving approximately 100± new customers in the Great Oak Valley Subdivision, Pine Point Subdivision and Pine Swamp Road.</p>	
County:	CWT-Sewer System Rehabilitation		
Mineral	CWT-New Collector Sewers		
NPDES #WV:			
0085456			
Binding Date:			
6/30/2023			
Points			
120.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Nitro Regional Wastewater Utility	\$330,000	\$330,000
51			
SRF #C:	Needs Categories:	Problem	
544652	CWT-Sewer System Rehabilitation CWT-CSO Correction	<p>-Pump Stations No. 2 & 4 are antiquated and replacement parts are not easily found.</p> <p>-The main gravity sewer line from the Rock Branch area is in poor condition and needs up-sized. The gravity line crossing the backwater area is attached to a WVDOH bridge and is in poor condition and undersized.</p> <p>-The gravity sewer line at Sattes Circle is currently combined with the storm water and is in poor condition. As part of the Long-Term Control Plan, the storm water needs separated out and the sewer line needs replaced.</p>	
County:		Solution	
Kanawha/Putnam		<p>The project proposes to replace Pump Stations No. 2 & 4, replace 5,500 LF of gravity sewer line in the Rock Branch area and install a new Pump Station to pump flow directly to the WWTP relieving some pressure to Pump Station No. 8, and replace 1,000 LF of gravity sewer line at Sattes Circle.</p>	
NPDES #WV:			
0023299			
Binding Date:			
6/30/2023			
Points			
120.00			

Rank	Parkersburg Utility Bd (Fort Boreman)	\$1,353,700	\$1,353,700
52			
SRF #C:	Needs Categories:	Problem	
544744	CWT-New Collector Sewers	<p>Potential development for area without sanitary sewer service.</p>	
County:		Solution	
Wood		<p>Extend new sewers to collect wastewater for treatment.</p>	
NPDES #WV:			
0023213			
Binding Date:			
6/30/2023			
Points			
120.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Parkersburg Utility Bd (Hill Ave)	\$1,439,300	\$1,439,300
53			
SRF #C:	Needs Categories:	Problem	
544745	CWT-New Collector Sewers	Potential development for area without sanitary sewer service.	
County:			
Wood			
NPDES #WV:		Solution	
0023213		Extend new sewers to collect wastewater for treatment.	
Binding Date:			
6/30/2023			
Points			
120.00			

Rank	Parkersburg Utility Bd (Marrtown Road)	\$3,254,200	\$3,254,200
54			
SRF #C:	Needs Categories:	Problem	
544654	CWT-New Collector Sewers	Potential development for area without sanitary sewer service.	
County:			
Wood			
NPDES #WV:		Solution	
0023213		Extend new sewers to collect wastewater for treatment.	
Binding Date:			
6/30/2023			
Points			
120.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Parkersburg Utility Bd (Worthington Creek)		\$6,918,400	\$6,918,400
55				
SRF #C:	Needs Categories:	Problem		
544746	CWT-New Collector Sewers	Unsewered homes just outside the current sewer service area.		
County:		Solution		
Wood		Extend new sewers to collect wastewater for treatment.		
NPDES #WV:				
0023213				
Binding Date:				
6/30/2023				
Points				
120.00				

Rank	Ripley Sanitary Board, City of		\$10,500,000	\$21,060,000
56				
SRF #C:	Needs Categories:	Problem		
544575	CWT-Advanced Treatment CWT-New Interceptors	Both sewer systems are under Order to upgrade the treatment plants. The existing treatment facilities are unable to consistently meet the permitted effluent limits resulting in violations of the NPDES permits. Ripley has recently upgraded the Ripley and Evans collection systems to address deficiencies in the systems such as I&I, and deterioration of the pumps. Ripley has also taken interim measures at each treatment plant to improve existing effluent limits, however this is not a long-term solution. Phase II of the project is to upgrade the WWTP's to meet more strict effluent limitations.		
County:		Solution		
Jackson		The project consists of constructing a new, centralized wastewater treatment facility that will treat flows collected from both Ripley and Evans. The new treatment facility will utilize sequential batch reactor or vertical loop reactor technology. Sewage from the Evans system will be pumped to the new facility. The existing ponds in Ripley and Evans will be closed after the new facility is placed in service. This will consist of necessary sludge burying and decommissioning of the existing lagoons.		
NPDES #WV:				
0045543				
Binding Date:				
7/31/2022				
Points				
120.00				

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Rowlesburg, Town of	\$2,570,000	\$11,150,000
57			
SRF #C:	Needs Categories:	Problem	
544644	CWT-Secondary Treatment CWT-CSO Correction	The wastewater treatment plant is very old and in desperate need of upgrades. The treatment ponds are in poor condition and in need of sludge removal. The aeration system needs replaced. The plant needs a new chlorination/dechlorination system. The collection system is old and, in many cases, has to be repaired periodically. The Town is proposing to separate locations where storm flow is combined with sanitary sewer flow.	
County:		Solution	
Preston		The Town of Rowlesburg proposes to replace the failing treatment facility with a new wastewater treatment plant with a flow equalization basin, and replace the main lift station at the River crossing and lay new sanitary sewer through the Town Park to the proposed lift station.	
NPDES #WV:			
0027481			
Binding Date:			
6/30/2023			
Points			
120.00			

Rank	Salem, City of	\$1,500,000	\$10,400,000
58			
SRF #C:	Needs Categories:	Problem	
544752	CWT-Secondary Treatment	The Salem wastewater treatment plant is a 400,000 gpd oxidation ditch with a chlorination disinfection process that discharges into the Salem Fork Creek. The WWTP had an average monthly flow of 605,000 gpd and an average maximum daily flow of 1,000,000 gpd from April 2020 to March 2021.	
County:		Solution	
Harrison		Currently, the Salem wastewater treatment plant is experiencing high flows on a frequent basis and has exceeded the average monthly flow allowed by the current permit parameters multiple times over the past couple of years. In addition, the plants current operating components need updated to maintain efficient treatment of the wastewater and accurate records of the process. These will need to be addressed with the proposed alternative project.	
NPDES #WV:			
0020257			
Binding Date:			
6/30/2023			
Points			
120.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Sistersville, City of (Virginia Terrace)		\$2,000,000	\$2,000,000
59				
SRF #C:	Needs Categories:	Problem		
544696	CWT-New Collector Sewers	The Virginia Terrace area is filled with outdated and failing septic tank systems. The failing systems are draining high volumes of fecal material into the nearby ditches and streams causing unsanitary conditions throughout the neighborhood. This sanitary sewer line would eliminate the need for these small ineffective systems and provide a healthy community to the residents of the area.		
County:		Solution		
Tyler		The project proposes construction of 1,200 LF of 8 inch gravity sewer, 2,900 LF of 6 inch gravity sewer, 650 LF of 3 inch PVC force main, 950 LF of 2 inch PVC force main, 375 LF of 1 1/4" force main, 1,250 LF of 4" service laterals along with 35 manholes, 3 pump stations, and 2 grinder pump stations.		
NPDES #WV:				
0021814				
Binding Date:				
6/30/2023				
Points				
120.00				

Rank	South Charleston Sanitary Board		\$5,000,000	\$5,000,000
60				
SRF #C:	Needs Categories:	Problem		
544646	CWT-Sewer System Rehabilitation	South Charleston is addressing I&I to reduce the number of overflows throughout the collection system. South Charleston has a permit modification application to redesignate parts of the system to a combined system. The work being proposed is for the Green Valley Sewer Shed.		
County:		Solution		
Kanawha		The work will include a study and report phase on their current system, I&I reduction, replacement of existing sewer line, and possible issues in transportation capacity.		
NPDES #WV:				
0023116				
Binding Date:				
6/30/2023				
Points				
120.00				

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank 61	Southern Jackson County PSD	\$14,700,000	\$15,700,000	Problem
SRF #C: 544246 County: Jackson NPDES #WV: 0084468 Binding Date: 7/31/2022	Needs Categories: CWT-Advanced Treatment	Facility has been unable to meet the discharge limitations for ammonia nitrogen, biochemical oxygen demand, and total suspended solids.		
Points 120.00				Solution
				Upgrade to the PSD's existing treatment plant that will feature higher efficiency treatment equipment. The central feature of the plant upgrade is that one of the two existing treatment lagoons will house the higher efficiency treatment equipment while the other lagoon can be used for flow equalization or storage.

Rank 62	Thomas, City of	\$6,100,000	\$7,100,000	Problem
SRF #C: 544755 County: Tucker NPDES #WV: 0024856 Binding Date: 6/30/2023	Needs Categories: CWT-Advanced Treatment CWT-Infiltration/Inflow CWT-Sewer System Rehabilitation	High volume of I&I causing wear and tear on pumps at lift stations and WWTP. It is understood by the 2020 PSC Annual Report that nearly half of sanitary lines are terracotta pipe which over years deteriorate allowing large amounts of I&I into system through cracks, misalignments, root insertion, collapses, etc. Influence of I&I into sanitary sewer system is hindering effectiveness of treatment and causing equipment to degrade faster. Unnecessary I&I makes treating sanitary sewer flows and maintaining necessary discharge limits difficult. Also, WWTP is having issues meeting copper and ammonia nitrogen limits.		
Points 120.00				Solution
				Proposed project will include preliminary I&I study that includes Flow Monitoring, CCTV Camera Evaluation and Smoke testing determining overall health of sanitary sewer collection system and determine areas of heavy I&I. Once concern areas are determined, construction plans will be designed and produced for reduction in I&I and sanitary sewer rehabilitation. Construction plans to include: Remove & replace existing sanitary sewer line & manholes, sanitary sewer pipe and manhole lining, manhole rehabilitation and evaluation and upgrades to existing pump stations. Additionally, WWTP will be upgraded.

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	White Oak PSD	\$3,000,000	\$7,933,699
63			
SRF #C:	Needs Categories:	Problem	
544762	CWT-Secondary Treatment CWT-Infiltration/Inflow	Sanitary sewer overflow at the existing wastewater treatment plant.	
County:		Solution	
Fayette		Existing sanitary sewer overflow will be removed by routing bypass flow through a new auxiliary treatment process at the existing WWTP to satisfy discharge permit requirements. The new auxiliary process will be configured in such a way that it may be utilized as a normal treatment process, during periods of flow rates not exceeding the plant's capacity, to provide a higher level of treatment if required. Also, project will produce a sanitary sewer evaluation survey to better enable the PSD to work on I/I reduction within their existing sanitary sewer collection system.	
NPDES #WV:			
0044041			
Binding Date:			
6/30/2023			
Points			
120.00			

Rank	White Oak PSD (Carlisle-Pax Ext.)	\$1,621,000	\$20,115,000
64			
SRF #C:	Needs Categories:	Problem	
544763	CWT-Secondary Treatment CWT-New Collector Sewers CWT-New Interceptors	Project will eliminate a significant source of pollution (pollutants commonly found in residential, commercial and community wastewater) in the general receiving stream, Paint Creek. It is noteworthy that Paint Creek is an excellent fishery, trout being the prominent gamefish. In addition, subject project will eliminate health hazards posed by overfull and failing septic tanks and field lines, as well as hazards posed by raw wastewater discharged into local streams. Project will improve the area's appeal by eliminating unpleasant sights and odors.	
County:		Solution	
Fayette		The proposed project will include the design and construction of a wastewater collection system for the roads and side roads from Carlisle, WV to Pax, WV. The project will include the construction of a wastewater treatment plant.	
NPDES #WV:			
0000000			
Binding Date:			
6/30/2023			
Points			
120.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	White Sulphur Springs, City of	\$3,083,000	\$3,083,000
65			
SRF #C:	Needs Categories:	Problem	
544606	CWT-New Collector Sewers	Untreated and partially treated wastewater discharging to the Greenbrier River.	
County:		Solution	
Greenbrier		Provide public wastewater collection and treatment services and eliminate current on-site treatment for approximately 95 residence in the community of Caldwell.	
NPDES #WV:			
0084000			
Binding Date:			
6/30/2023			
Points			
120.00			

Rank	Beverly Sewerage Department, Town of	\$810,400	\$4,052,000
66			
SRF #C:	Needs Categories:	Problem	
544718	CWT-Sewer System Rehabilitation	1) During periods of wet weather and flooding, average design capacity of plant is exceeded due to inflow and infiltration into collection system. Town is under order from WVDEP to provide plan of action to bring WWTP into compliance. Town's WWTP exceeded 90% average monthly level (306,000 gallons) numerous times the past four years. 2) Existing population expected to remain approx. the same. Although, the hardwood industry, a large employer, is expecting to expand bringing more people and businesses that could hook up to sewer and bring significant flow to existing facility that's already struggling.	
County:		Solution	
Randolph		1) This project proposes to construct and install approximately 11,240 LF of 8-inch and smaller diameter gravity collection pipes, 8,600 LF of 12-inch and smaller diameter force main lines, upgrade 5 pump stations, and related appurtenances. 2) These upgrades, rehabilitations, and replacements should decrease inflow and infiltration in the system. The flow received at the WWTP should significantly decrease due to these improvements as well.	
NPDES #WV:			
0045136			
Binding Date:			
6/30/2023			
Points			
115.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Big Bend PSD	\$1,669,000	\$1,669,000
67			
SRF #C:	Needs Categories:	Problem	
544627	CWT-Secondary Treatment	The plants have been poorly maintained and operated.	
County:		Solution	
Summers		Proposed project will replace the existing lift station and WWTP at Pence Springs, downsizing to 12,500 GPD. In addition, the scope also includes refreshing the cathodic protection, replacing existing galvanized grating with aluminum, replacing failing blower, cleaning, and painting exposed portions of plant, and replace manual bar screen at the Pine Hill plant. The current limits can be met with a packed bed filter plant.	
NPDES #WV:			
0102776			
Binding Date:			
6/30/2023			
Points			
115.00			

Rank	Burnsville Public Utility Board (I&I)	\$1,250,000	\$2,839,000
68			
SRF #C:	Needs Categories:	Problem	
544578	CWT-Infiltration/Inflow CWT-Sewer System Rehabilitation	Removing excess inflow and infiltration from the existing wastewater collection system due to connected drop inlets and outdated wastewater collection lines in low lying areas near waterways.	
County:		Solution	
Braxton		Upgrade and modification of the existing wastewater collection system to remove connected drop inlets and relocation of existing outdated wastewater collection lines in low lying areas to an area where infiltration will be of less significance.	
NPDES #WV:			
0024945			
Binding Date:			
6/30/2023			
Points			
115.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Fort Gay, Town of	\$1,500,000	\$4,660,000
69			
SRF #C:	Needs Categories:	Problem	
544607	CWT-Secondary Treatment CWT-Infiltration/Inflow	Collection System: Replace existing gravity line to reduce I/I and upgrade existing pump stations (PS). Not all PS are operational, some duplex PS only have one pump and Cass Street A was completely down for several months. Wastewater Treatment Facility: Aerated lagoon requires six aerators to provide treatment. Facility only has three operational and several repairs have been made. Existing baffle dividers have been damaged and have been removed, reducing contact time in lagoon. Existing force main enters lagoon in bottom and does not provide screening. Lagoon dike previously failed and required emergency repair.	
County:		Solution	
Wayne		The proposed project will consist of mapping the collection system, various upgrades, and rehabilitation to nine existing wastewater pump stations and three existing wastewater grinder pump stations. Also included in this project is the installation of a new 70,000 gpd packaged wastewater treatment plant.	
NPDES #WV:			
0085359			
Binding Date:			
6/30/2023			
Points			
115.00			

Rank	Gary, City of	\$790,000	\$2,586,000
70			
SRF #C:	Needs Categories:	Problem	
544501	CWT-Secondary Treatment CWT-New Interceptors	The Gary 60+ year old wastewater system has exceeded its useful life and experiences excessive I&I which overloads the WWTP. These overloads result in untreated discharges either from the plant or from manholes in the system. In addition, breaks in the mains allow for exfiltration into the surrounding soil during periods of low water table.	
County:		Solution	
McDowell		-Use a decentralized sewer system, for treatment of solids, then send to treatment plant for treatment of effluent, or "grey water". -The treatment option is to collect the effluent in a pump station that is constructed on the grounds of the existing wastewater plant and then pump to a connection point on the City of Welch's wastewater system. The City of Welch will provide treatment of the effluent and has provided a capacity letter.	
NPDES #WV:			
0020044			
Binding Date:			
6/30/2023			
Points			
115.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Kingwood, City of	\$13,500,000	\$14,500,000
71			
SRF #C:	Needs Categories:	Problem	
544735	CWT-Secondary Treatment CWT-Advanced Treatment	<p>The existing sanitary sewer treatment plant has needed repairs for years due to years of service. The four Rotating Biological Contactor (RBC) units and wet well needs repairs. Additionally, because flow must be pumped from the influent wet well to the primary clarifier, issues arise where maintenance is required. The piping layout of the plant needs changed. The AC units that are currently undersized are also malfunctioning. A contact basin and disinfection are needed to prevent any contamination of the waterway during high water events. The current collection system needs improvements to its gravity service.</p> <p>Solution</p> <p>The proposed project will completely rehab all four RBC units. The Pre-Treatment Headworks building improvements will include the installation of a new gravity sewer influent line from the influent channel of the wet-well to the primary clarifier. This will allow for the existing wet-well to be utilized to hold wet weather influent flows more than the ADF where it can be pumped to the primary clarifier at a constant rate. The project will install a new access hatch to the wet-well on the "RBC side" of the wet-well to allow for improved maintenance access and replace the existing undersized and broken AC units.</p>	
County:			
Preston			
NPDES #WV:			
0021881			
Binding Date:			
6/30/2023			
Points			
115.00			

Rank	Wayne, Town of	\$11,300,000	\$15,300,000
72			
SRF #C:	Needs Categories:	Problem	
544759	CWT-Secondary Treatment CWT-Sewer System Rehabilitation CWT-New Collector Sewers CWT-New Interceptors	<p>1) Several WWTP components have reached the end of their useful life and require rehabilitation, replacement, or upgrade to continue successful operation. 2) Collection system has several areas where main collection pipeline has deteriorated and broken due to slips in the ground and must be repaired to allow continued use of collection system. 3) Several package treatment plants serving various areas are old and in disrepair, some needing replacement. 4) Some parts of Town have no sanitary sewer system; residents use septic tanks for sewage treatment, many areas, tanks are failing and require replacement.</p> <p>Solution</p> <p>1) Upgrade existing plant to a Sequencing Batch Reactor treatment process including headworks, flow equalization, disinfection, new operations/controls/lab bldg., emergency power, and system wide SCADA System. 2) Decommission and replace five existing package treatment plants with pump stations and required force mains and collection system upgrades that would send sewage to the Town's main WWTP. 3) Several sewer service extensions are planned to reduce number of residents using septic tanks.</p>	
County:			
Wayne			
NPDES #WV:			
0024562			
Binding Date:			
6/30/2023			
Points			
115.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Bradley PSD	\$4,620,449	\$5,120,449
73			
SRF #C:	Needs Categories:	Problem	
544663	CWT-Advanced Treatment	Four treatment facilities collect and treat wastewater for communities of Eunice, Walhonde Village, and Home School Village. Existing Coll. Syst. for each treatment facility are in poor condition. Most piping is made of clay and experiencing high I&I. Remaining communities don't have a public sanitary sewer syst. and currently discharge wastewater directly into individual septic tanks or into creeks and other waterways. Tracts of land are very small and do not have appropriate space for a septic tank or leech field and septic systems do not work properly due to poor soil conditions and wastewater flows to nearby waterways.	
County:		Solution	
Raleigh		Address wastewater collection and treatment problems the District is experiencing in the NW portion of Raleigh Co. District owns and operates three existing packaged wastewater treatment facilities in Eunice and Walhonde Village, and one existing facultative pond treatment facility in Home School Village (near Dorothy). Will provide wastewater collection and treatment services to communities of Eunice, Pettus, Jarrolds Valley, Leevale, Walhonde Village, Gardner Branch, Dorothy, Colcord, and Ameagle. Once wastewater collection system is constructed, District will abandon and dispose of existing packaged treatment facilities.	
NPDES #WV:			
0000000			
Binding Date:			
6/30/2023			
Points			
105.00			

Rank	Ellenboro, Town of	\$1,029,000	\$2,395,000
74			
SRF #C:	Needs Categories:	Problem	
544632	CWT-Advanced Treatment CWT-Infiltration/Inflow CWT-New Collector Sewers	The existing WWTP and collection system is in poor condition due to its age and is under the influence of I&I, comprising of approximately 53% of its flows. The current UV disinfection system (Infilco Degremont Model 16-LH-CL) is unreliable and failing due to moisture entering the lamp contacts and short-circuiting the electrical connections. Additionally, the Town is no longer able to haul their sludge efficiently, so a sludge press is being proposed.	
County:		Solution	
Ritchie		The proposed Phase 2 project replaces an existing sanitary sewer collection system, from the WWTP lift station (not in project), across US Route 50, and along WV Route 16 toward Harrisville. Phase 2 sewer system upgrades continues the Phase 1 work. Also, includes the purchase and installation of a new UV disinfection system to replace the failing one, and a new, covered sludge press to process sludge for landfill application.	
NPDES #WV:			
0027308			
Binding Date:			
6/30/2023			
Points			
100.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Grantsville, Town of		\$1,200,000	\$3,400,000
75				
SRF #C:	Needs Categories:	Problem		
544634	CWT-Secondary Treatment CWT-Sewer System Rehabilitation	<p>All the mechanical equipment in the sewage treatment plant is in poor condition or is totally inoperable. Sludge has not been removed from the facility in over 5 years because of pump failures and sludge line clogs. Similarly, pumping stations are in poor mechanical condition, and several have only a single pump that can be operated. The stairs to the elevated control panels are rotten and very dangerous; similarly, there are numerous electrical hazards at both the treatment plant and at the pumping stations.</p> <p>Solution</p> <p>The basins and piping at the sewage treatment plant will be cleaned and all the electrical and mechanical equipment will be refurbished or replaced. Similarly, the electrical and mechanical equipment at all the pumping stations will be replaced or refurbished. An Asset Management Plan and a detailed set of O&M Procedures will also be developed.</p>		
County:				
Calhoun				
NPDES #WV:				
0041181				
Binding Date:				
6/30/2023				
Points				
100.00				

Rank	Hancock County PSD (Route 2)		\$6,518,000	\$7,018,000
76				
SRF #C:	Needs Categories:	Problem		
544691	CWT-Secondary Treatment CWT-Sewer System Rehabilitation	<p>Aging facilities and components at the Rt. 2 WWTP, Rt. 8 WWTP, Turkey Lick and Lick Run Vacuum PS's, and at 19 other PS's in the existing collection systems, including: The Rt. 2 WWTP's headworks, SBR tanks, dewatering equipment, and the interior doors, roof, and garage doors at the building; the Rt. 8 WWTP's influent screen and access road; the equipment and buildings at Turkey Lick and Lick Run PS's; the structures, controls, pumps, and/or electrical at 19 PS's.</p> <p>Solution</p> <p>Evaluate current equip. at the two WWTP's, two vacuum pumping stations (PS's) and PS's. Due to Rte. 2 WWTP conditions, replacement of assets is considered Priority 1 including new process equip. (SBR tanks, diffusers, dewatering equipment, UV disinfection, etc.). Selection of equip. in design phase will provide an affordable system that lasts an additional 20 years. Will also include rehabilitation of both vacuum PS's and collection system repairs to extend life expectancy and address odor concerns. Priority 2 involves further investigations at Rte. 8 WWTP to extend life expectancies of influent screening and generator.</p>		
County:				
Hancock				
NPDES #WV:				
0101729				
Binding Date:				
6/30/2023				
Points				
100.00				

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	McMechen, City of	SRF Loan Amount	Total Costs
77		*	\$13,360,300
SRF #C:	Needs Categories:	Problem	
N/A	CWT-Secondary Treatment CWT-Infiltration/Inflow CWT-Sewer System Rehabilitation	The existing treatment and pumping facilities are 40 years old, and some of the equipment has failed (clarigester and mechanical bar screen) and others are marginally functional (trickling filter, pumping stations and controls). The CSO-LTCP needs to be upgraded, and violations of the WV NPDES permit are occurring on a regular basis.	
County:		Solution	
Marshall		Replace existing trickling filter with a 0.3 MGD SBR type treatment plant, upgrade remainder of WWTP, replace both existing sewage pumping stations, smoke test, and inspect the collection system and upgrade CSO.	
NPDES #WV:		*Project is included for earmark eligibility.	
0020141			
Binding Date:			
N/A			
Points			
100.00			

Rank	Sun Valley PSD	SRF Loan Amount	Total Costs
78		\$2,000,000	\$8,585,000
SRF #C:	Needs Categories:	Problem	
544587	CWT-Sewer System Rehabilitation CWT-New Collector Sewers	The Sun Valley PSD is looking to extend its existing system to approx. 95 new customers in four of the District's areas of operation. The District also has two pump stations in need of rehabilitation or replacement due to failing concrete from sewer gas.	
County:		Solution	
Harrison		The Sun Valley PSD is proposing to expand its existing system. There are 4 proposed areas of construction within the District's service location. Approx. 95 new customers will be served with the extension project. The District is also proposing to rehabilitate or replace two existing pump stations.	
NPDES #WV:			
0104663			
Binding Date:			
6/30/2023			
Points			
100.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Webster Springs PSD (Phase I)		\$2,000,000	\$3,150,000
79				
SRF #C:	Needs Categories:	Problem		
544689	CWT-Secondary Treatment CWT-Sewer System Rehabilitation	System has been in place for nearly 40 years. Several components within the treatment plant and pump stations have surpassed their useful life, needing replacement. Sludge storage facility and bypass conditions must be addressed. The wastewater collection lines are experiencing I&I problems, due to infrastructure being aged and large portion of VCP that can be found throughout the system. A gravity collection line located along some places in the Elk River is determined to be the most troublesome line. It has a high probability of both gravity collection line failure and a major I&I contributor.		
County:		Solution		
Webster		The WWTP, pump stations, and collection lines will be updated with this proposed project.		
NPDES #WV:				
0049875				
Binding Date:				
6/30/2023				
Points				
100.00				

Rank	Flemington, Town of		\$500,000	\$1,000,000
80				
SRF #C:	Needs Categories:	Problem		
544665	CWT-Infiltration/Inflow CWT-Sewer System Rehabilitation	Flemington's wastewater collection system is under influence of inflow and infiltration during wet weather events which result in high flows which exceed the WWTP's treatment capacity. Flemington is taking active steps in reducing the amount along with the impacts of the contribution.		
County:		Solution		
Taylor		Engineer will help Owner develop flow data provided with flow monitors and will conduct supplemental flow monitoring to verify findings of this data. Town of Flemington believes some violations are due to inaccurate flow measurements. Town has identified an issue resulting in elevated flow measurements that were not accurate. Town has remedied the situation, and is currently monitoring flows that are much less than those previously reported, but needs to replace the existing flow monitoring device to ensure long-term compliance.		
NPDES #WV:				
0105406				
Binding Date:				
6/30/2023				
Points				
95.00				

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Marlinton, Town of	\$6,200,000	\$11,700,000
81			
SRF #C:	Needs Categories:	Problem	
544670	CWT-Secondary Treatment CWT-Sewer System Rehabilitation	Wastewater system's lagoon has not been able to meet its BOD limits recently, and it has no way to treat for Nitrogen and Phosphorus. The pumping stations have reached the end of their useful lives and need to be replaced/upgraded, namely the mechanical and electrical components.	
County:		Solution	
Pocahontas		The proposed project will upgrade five existing pump stations, relocate a CSO, replace deteriorated gravity line and manholes in the downtown area, and upgrade the bar screen, disinfection system, and effluent flow meter at the WWTP as well as install an emergency generator at the WWTP. This project is in accordance with the Plan of Corrective Action that resulted from DEP Orders 8455 and 8996. The scope of work will also help address the 74% of I/I in the existing system.	
NPDES #WV:			
0024473			
Binding Date:			
6/30/2022			
Points			
95.00			

Rank	Paw Paw, Town of	\$1,500,000	\$3,427,100
82			
SRF #C:	Needs Categories:	Problem	
544684	CWT-Secondary Treatment CWT-Infiltration/Inflow CWT-Sewer System Rehabilitation	Quarterly I&I reports not submitted. Dechlorination bldg. needs repaired. Electrical wiring is a hazard as well as weights and feeders are corroded or not operable. Visible foam and scum discharges. Failing to comply with effluent limitations. Only one chlorine contact chamber is used, second needs replaced. Lagoon aeration system providing insufficient DO. Manual bar screen basket needs replaced. Outfall into Dawson Run, designed for 0.2 MGD, has green scum in receiving stream. CS experiencing various I&I issues, nearly doubling after rain events. Need LS upgrades and SCADA system needs installed.	
County:		Solution	
Morgan		Propose upgrade to WWTP's electrical issues, bldg. deficiencies, add copper removal system, install new manual bar screen, make various improvements to the outfall, and improve aeration system at the plant. Partial I&I study including reports, mapping, manhole inspections, flow monitoring, smoke testing, and misc. I&I testing, leading to various repairs to reduce amount of I&I in the sewer collection system. Collection system improvements will include rehabilitation/replacement, if necessary, of manholes and sewer line. Also, install a SCADA system to provide alarm notifications and monitoring from the LS.	
NPDES #WV:			
0027405			
Binding Date:			
6/30/2023			
Points			
95.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Preston County Sewer PSD	\$1,000,000	\$2,000,000
83			
SRF #C:	Needs Categories:	Problem	
544750	CWT-Advanced Treatment CWT-Sewer System Rehabilitation	<p>The PSD is utilizing outdated and failing means to provide pumping capabilities in their system. A dosing siphoning system is utilized to transport sewage under Big Sandy Creek. Brandonville Pump Station (PS) has deteriorated to a point that rehabilitation is not an option, the existing Hobbits Glenn PS needs upgrades, the results from inflow & infiltration (I&I) study shows the PSD has multiple areas penetrating the system. PSD has received Notice of Violations from WVDEP for not meeting effluents requirements for metals. PSD also currently holds meetings and conducts business in a nearby home.</p> <p>Solution</p> <p>The dosing siphoning station and Brandonville Pump Station (PS) will be replaced with new, up to date wastewater PS's. Construction of these replacement PS's, new gravity main, force main, and flow metering manholes will be utilized to monitor amount of wastewater being conveyed to PS's. Existing Hobbits Glenn PS will get a PS monitor, SCADA system, manual transfer switch, and fence. Parts of existing system will be cut and plugged. Office building will be constructed to conduct all PSD operations, as well as a Disk filter to meet effluent metals requirements.</p>	
County:			
Preston			
NPDES #WV:			
0025101			
Binding Date:			
6/30/2023			
Points			
95.00			

Rank	Salt Rock Sewer PSD	\$1,944,000	\$1,944,000
84			
SRF #C:	Needs Categories:	Problem	
544660	CWT-Sewer System Rehabilitation CWT-New Collector Sewers	<p>Milton is planning an expansion and upgrades of their system that will necessitate the need for an upgrade to the Phase II Pump Station. In addition, Phase II Pump Station wet well concrete is severely deteriorated and in need of rehabilitation. In addition, a WV PSC order mandates that Salt Rock Sewer PSD provide service to the adjoining Fox Fire Resort.</p> <p>Solution</p> <p>The project proposes to:</p> <ol style="list-style-type: none"> 1. Rehabilitate the concrete of the Phase II wet well using a geopolymer, with potential rehabilitation of the pretreatment facilities being bid as an alternate. 2. Upgrade the capacity of the Phase II Pump Station by increasing capacity of the triplex pumps from 85 HP pumps to 105 HP pumps. 3. Install a grinder pump station to allow service to the Fox Fire Resort, assuming property can be acquired. 	
County:			
Cabell			
NPDES #WV:			
0024538			
Binding Date:			
6/30/2023			
Points			
95.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Ansted, Town of		\$2,616,345	\$2,616,345
85				
SRF #C:	Needs Categories:	Problem		
544584	CWT-CSO Correction	A smoke testing study identified 56 defects in the Town's collection system, including a significant segment of combined storm and sanitary sewer that drains to the downtown area of Ansted. An unpermitted 550 discharges of excess storm flows from the system during wet-weather. A total of 22 sewer line repairs, 15 storm sewer cross connections and 13 manhole leaks will be addressed by the project.		
County:		Solution		
Fayette		Install 2900 LF 24-inch storm sewers, 13 drop inlets, replace 7900 LF 8-inch GSP and 2900LF 4-inch GSP, 1 simplex E-1 grinder station, 250 LF 1 1/4-inch force main and appurtenances.		
NPDES #WV:				
0020672				
Binding Date:				
6/30/2023				
Points				
90.00				

Rank	Bradshaw, Town of		\$800,000	\$6,208,000
86				
SRF #C:	Needs Categories:	Problem		
544595	CWT-Secondary Treatment CWT-Sewer System Rehabilitation Energy Conservation-Energy Efficiency	Problematic vacuum collection system located throughout a large portion of Town, significant number of grinder pumping stations resulting in a reduction of power consumption and operation and maintenance cost, and address deferred operation and maintenance items at the wastewater treatment plant.		
County:		Solution		
McDowell		Replace vacuum collection system with a conventional gravity wastewater collection system. The reduction in the amount of grinder pumping stations will be achieved by eliminating individual grinders for each residence and providing more of a "cluster" type system by utilizing a single grinder pumping station to provide service to several of customers. Deferred operation and maintenance items at the WWTP will be included to replace the outdated nearly 25-year-old components to promote energy efficiency and power savings.		
NPDES #WV:				
0103110				
Binding Date:				
3/31/2023				
Points				
90.00				

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Cameron Sanitary Board, City of	\$1,500,000	\$2,500,000
87			
	SRF #C:	Needs Categories:	Problem
	544091	CWT-Sewer System Rehabilitation CWT-Infiltration/Inflow	The City was issued an NOV on 08/04/21. Based upon the 2020 PSC Annual Report, the City's collection system experienced 84.97% I&I. High amounts of I&I attributed to storm sewer system interconnected with WW sewer system. Issues with open/exposed pipes connected to system as well as compromised drain inlets & sanitary MHs were identified via smoke testing. Camera investigation identified sagging, cracks, and offset joints in portions of concrete and vitrified clay pipe. Excess I&I leads to WWTP not able to handle high volumes & untreated WW discharged from Outlet 002.
	County:		Solution
	Marshall		Wastewater collection system where storm sewer system connects to sanitary sewer system will be disconnected and provide independent collection systems. Sewer system lines that need replaced because of sagging, cracking, or offset joints will be replaced or relined to reduce inflow and infiltration (I&I). Areas include portions of Maple Ave, Main St., State St., Railroad St., Upton Ave, Howard St., High St., Columbia Ave, Crawford Ave, and Fleming Ave. I&I reduction will correlate to decrease of untreated wastewater discharging from outlet 002 and should allow Cameron to become compliant with NOV.
	NPDES #WV:		
	0020125		
	Binding Date:		
	6/30/2023		
Points			
90.00			

Rank	Charles Town Utility Board	\$3,561,000	\$4,861,000
88			
	SRF #C:	Needs Categories:	Problem
	544686	CWT-Sewer System Rehabilitation CWT-New Interceptors Energy Conservation-Energy Efficiency	Relieve the Old Town Ranson gravity line, the Evitt's Run gravity line, and the Jefferson Park gravity line of flow. Consolidate and modify pump stations to reduce operation and maintenance costs with rerouting flows to the new Route 9 gravity line. Increase the capacity of the Flowing Springs Pump Station to accommodate additional flows.
	County:		Solution
	Jefferson		Old Town Ranson gravity sewer system project will relieve flow and improve conditions of various infrastructure within the system. Project consists of improvements to the Burr East Pump Station, Moose Lodge Pump Station, Jett's Farm Pump Station and force main, and Flowing Springs Pump Station. Also, included is decommissioning Forrest Avenue and 11th Street Pump Stations, construction of Lakeland Place Pump Station, extension of Clarence Drive Pump Station force main through Jefferson Memorial Park, and upgrade of Evitt's Run gravity line.
	NPDES #WV:		
	0022349		
	Binding Date:		
	6/30/2023		
Points			
90.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Preston County Sewer PSD (Hazelton)	\$1,462,000	\$7,310,000
89			
SRF #C:	Needs Categories:	Problem	
544751	CWT-Secondary Treatment CWT-Advanced Treatment	Currently Hazelton Wastewater Treatment Plant (WWTP) is barely meeting its copper and zinc limits. Due to the large Hazelton Prison Complex, much of the equipment needs replacement. Damages to the influent mechanical bar screen, ventilation in both the headworks/lab building as well as the sludge press building has deteriorated and is no longer functioning, potable water piping near the headworks has corroded, the belt filter press needs a new air regulator valve/aspirator as well as other miscellaneous damage across the entire wastewater treatment facility.	
County:		Solution	
Preston		This project will implement a new metals removal system to meet their current and future NPDES Permit limits for copper, implement a new influent lift station mechanical screening system, a new sludge transfer station to receive sludge from the Bruceton Mills WWTP. This project will also replace failing equipment at the WWTP including headworks mechanical bar screen, Trojan UV parts and other miscellaneous mechanical and electrical upgrades mentioned. The project also proposes the addition of a fourth SBR basin to be constructed and added due to the Hazelton Prison Complex plans to expand in the future.	
NPDES #WV:			
0025101			
Binding Date:			
6/30/2023			
Points			
90.00			

Rank	Beckley Sanitary Board (Pinecrest)	\$5,344,000	\$5,344,000
90			
SRF #C:	Needs Categories:	Problem	
544624	Stormwater-Gray Infrastructure Stormwater-Green Infrastructure	The stormwater infrastructure is drastically undersized and at the end of its service life. Vegetative overgrowth, sediment deposition, and sections of piping restrict channel flows. As the stormwater structures backup during rainfall events, drop inlets overflow and flood surrounding areas contributing I&I into the sanitary sewer collection system which negatively impacts cost of treatment, water quality, and carrying capacity of the sanitary sewer system. Frequent flooding of residential properties and roads, as well as excess sheet flow, occurs in this project area.	
County:		Solution	
Raleigh		Upgrade and rehabilitation of the Pinecrest area stormwater and sewer system. The purpose of this is to improve conveying capacity in the stormwater system. The project will consist of removing a section of pipe and channeling discharge into a free-flowing, functional channel at Pinecrest. The channel will be dredged out for proper conveying capacity. This project will also replace sections of existing storm drains with new, adequately sized storm drains to convey stormwater being received at the Beckley Little League, Hartley Ave, and the Pinecrest area. The project will also implement various locations of green infrastructure.	
NPDES #WV:			
0023183			
Binding Date:			
6/30/2023			
Points			
85.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Claywood Park PSD (Newark)	\$2,344,000	\$5,547,000
91			
	SRF #C:	Needs Categories:	Problem
	544498	CWT-Sewer System Rehabilitation	Old, derelict sewer lines and an inactive lagoon with a potentially weakened dam wall.
	County:	CWT-New Collector Sewers	
	Wood/Wirt	CWT-New Interceptors	
	NPDES #WV:		Solution
	0043991		All existing lines will be replaced with new lines and services will be reconnected. Customers whose lines currently flow to the Spring Valley lift station will be served. Spring Valley lagoon will be decommissioned. Private septic tanks will not be replaced.
	Binding Date:		
	9/30/2023		
Points			
85.00			

Rank	Keyser, City of	\$700,000	\$1,400,000
92			
	SRF #C:	Needs Categories:	Problem
	544690	CWT-Secondary Treatment	City has trouble storing sludge that has been used in homes/businesses. Project is designated to help with sludge storage and beneficially reuse as a matter that binds sulphides in WWTP, to prevent corrosion of concrete sewers to minimize smell during cleaning of wastewater. Sludge disposal cost at Tucker Co. Landfill is prohibitive and a storage facility will allow for land application during good weather.
	County:		Solution
	Mineral		Project includes the construction of a 50' x 80' Building with open front, concrete floor, and concrete and wood framed walls.
	NPDES #WV:		Sludge will be transferred and off loaded into the structure during the winter season using existing vehicles and dumpsters. The sludge will need to be stacked/consolidated using new equipment (i.e., End Loader, Backhoe, etc.) prior to re-loading for surface application in the spring season.
	0024392		
	Binding Date:		
	6/30/2023		
Points			
85.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Beckley Sanitary Board (Rail Trail)		\$1,751,000	\$1,751,000
93				
SRF #C:	Needs Categories:	Problem		
544625	Stormwater-Gray Infrastructure Stormwater-Green Infrastructure	Near Piney Ave intersection, existing stormwater system is undersized to handle a 10-year storm and catastrophically failed on July 3, 2019 storm event and 3 properties flooded. System continues to be undersized downstream to discharge point at Little Whitestick Creek, causing intersection of Robert C. Byrd and Ewart Ave to flood frequently. When area floods, combined sewer receives additional flows resulting in manhole surcharges and additional discharge out the combined sewer overflow outfall, carrying pollutant loads contributing to impairment of Little Whitestick Creek and downstream receiving waterbodies.		
County:		Solution		
Raleigh		The Railtrail Stormwater Diversion and Control System will assist in mitigating stormwater related issues by constructing a series of intercepting open channels, culverts, and pipes along the existing Rail Trail rights-of-way. As part of this project BSB will remove and replace existing stormwater culverts that run under the Rail Trail. Approximately five culverts will be replaced to handle additional flow and mitigate potential flooding. The proposed project will replace stormwater infrastructure on a portion of Canterbury Dr. that is adjacent to the Rail Trail.		
NPDES #WV:				
0000000				
Binding Date:				
6/30/2023				
Points				
80.00				

Rank	Canaan Valley PSD (Zone A WWTP)		\$1,500,000	\$9,500,000
94				
SRF #C:	Needs Categories:	Problem		
544721	CWT-Advanced Treatment CWT-New Collector Sewers	The Blackwater River has been listed as an impaired waterway for failure to maintain a dissolved oxygen level of at least 6.0 mg/L according to WVDEP water quality standards. The existing package treatment facilities in Canaan Valley Resort State Park have received notices of violation for failing to maintain treatment within permit conditions, and as a result have been subject to significant fines. There is a need to improve wastewater collection and treatment in this area to improve the quality of the river and support future area growth.		
County:		Solution		
Tucker		This project proposes to construct a new wastewater treatment plant in the State Park area to replace the existing package treatment facilities. The WWTP will have a capacity of 120,000 GPD. The new facility will improve treatment and be able to support future growth and development in the area. A force main extension will also be installed to provide sewer service to the Blackwater Center and Land of Canaan areas.		
NPDES #WV:				
0106011				
Binding Date:				
3/31/2023				
Points				
80.00				

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Flemington, Town of	\$500,000	\$1,000,000
95			
SRF #C:	Needs Categories:	Problem	
544767	CWT-Advanced Treatment	Flemington would like to consider changing its disinfection process to UV Disinfection. The Town believes that the UV disinfection process will not only treat the wastewater effectively, but will be used to address any emerging contaminants in the Wastewater system.	
County:		Solution	
Taylor		The project will consist of the installation of a new effluent flow meter, via a parshall flume and ultrasonic meter and a new UV Disinfection system on the effluent side of the WWTP to replace the current chlorination system.	
NPDES #WV:			
0105406			
Binding Date:			
6/30/2023			
Points			
80.00			

Rank	Kanawha PSD (Lens Creek)	\$2,575,000	\$7,875,000
96			
SRF #C:	Needs Categories:	Problem	
544643	CWT-Secondary Treatment CWT-Sewer System Rehabilitation CWT-New Collector Sewers	The Lens Creek area is filled with outdated and failing septic tank systems which drain into Lens Creek causing high volumes of fecal material being transported to the Kanawha River at Marmet. This sanitary sewer line would eliminate the need for these small ineffective systems and provide a healthy community to the residents of the area. The WWTP headworks and UV disinfection system are aged and failing, requiring excessive operation and maintenance effort.	
County:		Solution	
Kanawha		The project proposes construction of 3,600 LF of 10 inch gravity sewer, 27,320 LF of 8 inch gravity sewer, 11,000 LF of 6 inch PVC gravity sewer, 8,260 LF of 4 inch PVC laterals and 27,500 LF of 8 inch Force Main along with 241 manholes, 1 Pump Station, 2 stream crossings, an upgrade of Winifrede Hollow Pump Station and force main, and an upgrade of headworks and UV disinfection at Kanawha PSD's WWTP.	
NPDES #WV:			
0021784			
Binding Date:			
6/30/2023			
Points			
80.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Belle, Town of	\$344,900	\$799,800
97			
SRF #C:	Needs Categories:	Problem	
544662	CWT-Infiltration/Inflow	During wet weather events, the Town experiences excessive flow to main pump station, and has potential to overflow into nearby stream. Detailed study was performed on system to identify sources of stormwater I&I (significant source exists on West Reynolds Ave). A dedicated sanitary sewer and storm sewer system run along West Reynolds Ave, each consisting of vitrified clay pipe and are in disrepair. During significant precipitous events, stormwater infiltrates sanitary sewer system, overwhelming it and sending excessive flow to the main station.	
County:		Solution	
Kanawha		Reduction/elimination of I&I in the Town's sanitary sewer system by replacing both the sanitary sewer and storm sewers along West Reynolds Ave.	
NPDES #WV:			
0021946			
Binding Date:			
6/30/2023			
Points			
75.00			

Rank	Hancock County PSD (Newell)	\$3,332,200	\$8,832,200
98			
SRF #C:	Needs Categories:	Problem	
544733	CWT-New Collector Sewers	The Hancock County PSD, per order WV PSC Case #20-1033-WS-P, has been in negotiations with the Newell Wastewater System to take over their sewer operations.	
County:		Solution	
Hancock		Install a new pump station to replace the Newell WWTP and repair and replace the sewer collection system.	
NPDES #WV:			
0101729			
Binding Date:			
6/30/2023			
Points			
75.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Morgantown Utility Board (Westover)		\$5,500,000	\$11,500,000
99				
SRF #C:	Needs Categories:	Problem		
544590	CWT-CSO Correction	Project will upgrade Westover CSO system in order to improve collection and conveyance capacity for improved daily performance and reduced CSO discharges.		
County:		Solution		
Monongalia		Combined sewer system improvements-Install new interceptor along Dents Run, upgrade main pumping station at mouth of Dents Run, which pumps across Monongahela River to Morgantown system, and other miscellaneous improvements as needed.		
NPDES #WV:				
0024449				
Binding Date:				
6/30/2023				
Points				
75.00				

Rank	Oakvale Road PSD		\$3,870,000	\$5,604,000
100				
SRF #C:	Needs Categories:	Problem		
544682	CWT-New Interceptors CWT-New Collector Sewers	Areas described to receive service consist of unserved residents and undeveloped lands. Green Acres WWTP wishes to discontinue providing sewer treatment to the Green Acres Subdivision. Sewer effluent from Green Acres WWTP discharges to a tributary of Christian Fork.		
County:		Solution		
Princeton		Extension of existing sewer collection mains to unserved areas and construction of multiple lift stations. Connection of the Green Acres subdivision to the new extensions and abandonment of the existing Green Acres WWTP.		
NPDES #WV:				
0080489				
Binding Date:				
6/30/2023				
Points				
75.00				

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Ronceverte, City of		\$3,383,575	\$4,383,575
101				
SRF #C:	Needs Categories:	Problem		
544611	CWT-Infiltration/Inflow	Several areas of the wastewater collection system have broken pipes, offset joints, and roots. Other issues include I&I in main lines and laterals. Several manholes need replaced, and some areas have no manholes and require manholes to be installed, due to maintenance issues resulting from too few manholes. Additionally, the interceptor which carries flow from Greenbrier PSD No. 1 needs a railroad crossing to be upgraded (it is undersized and has no casing). The crossing has a pipe size smaller than the rest of the line which is also not cased.		
County:		Solution		
Greenbrier		There are several thousand feet of gravity sewer pipe which will be replaced to combat I&I issues and issues regarding service life. More than 50 manholes will be added to the system, and more than 10 will be replaced. There are two railroad crossings which will be addressed, with the interceptor being done through a micro tunnel and the other crossing being done with a bore and jack.		
NPDES #WV:				
0024236				
Binding Date:				
3/31/2023				
Points				
75.00				

Rank	Barboursville Sanitary Board, Village of		\$7,633,000	\$7,633,000
102				
SRF #C:	Needs Categories:	Problem		
544615	CWT-Sewer System Rehabilitation CWT-New Interceptors	The condition of the lagoon is declining. It has not been cleaned out in approx. 50 years and it is unlined. Barboursville has expressed interest in replacing the lagoon entirely due to the increasing difficulty for the lagoon to meet capacity, water quality standards and design standards for groundwater protection. Additionally, there are several pumping stations which are 20 or more years old and in need of upgrades due to reaching the end of their useful lives.		
County:		Solution		
Cabell		For this project, 6 of the aging pumping stations will be upgraded. The lagoon will be decommissioned, cleaned, and filled. Wastewater will be pumped to the treatment plant at Pea Ridge PSD. This will require installing a new pumping station and more than 6000 linear feet of 10-inch force main. A payment of \$2.5 million will be made to the Pea Ridge PSD for them to expand their treatment plant.		
NPDES #WV:				
0024481				
Binding Date:				
3/31/2023				
Points				
70.00				

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Beckley Sanitary Board (Cranberry)		\$1,952,000	\$1,952,000
103				
	SRF #C:	Needs Categories:	Problem	
	544701	Stormwater-Gray Infrastructure	The existing primary storm sewer system, which is limited in the area, is undersized and at its capacity. These storm sewers are also at the end of their service life. The Sanitary Sewer overflows are caused by the direct inflow connections and indirect stormwater infiltration into the system. Street rights-of-way drainage, as well as the upstream surface channel, flood regularly that impact ponds, private properties, several local roads, and side streets. High stormsewer flows and flooding create conditions which allow additional inflow and infiltration in the combined sewer system.	
	County:		Solution	
	Raleigh		The Cranberry project will mitigate these issues by implementing a rehabilitation project in the stormwater system as well as establish a stormwater control facility in the area. Installation of an enclosed stormwater conveyance system will better handle the drainage capacity necessary in this area. Development of open channels within rights-of-way will be implemented to improve drainage conveyance and reduce residential flooding. Existing pipe will be replaced as needed and inlets will be installed within road rights-of-way.	
	NPDES #WV:			
	0000000			
	Binding Date:			
	6/30/2023			
Points				
70.00				

Rank	Beckley Sanitary Board (Hedrick St.)		\$1,494,000	\$1,494,000
104				
	SRF #C:	Needs Categories:	Problem	
	544704	CWT-Sewer System Rehabilitation Stormwater-Gray Infrastructure	-The stormwater system in this area is beyond its usable life span. This section of the system has poor geometry and is undersized for the area being served, therefore, flooding is frequent which results in erosion along the rights-of-way and asphalt deterioration. -The sanitary sewer system in this area is outdated and beyond its usable life span. The poor condition of the pipes and sewer structures in this area makes it subject to significant I&I.	
	County:		Solution	
	Raleigh		The proposed Hedrick Street project will mitigate these issues by implementing a rehabilitation project of the existing stormwater drainage system and sanitary sewer system in this area. Culverts will be resized and replaced to better handle the drainage capacity and conveyance necessary for this area. Existing sanitary sewer pipes will be replaced and structures will be installed as needed within existing rights-of-way and easements.	
	NPDES #WV:			
	0023183			
	Binding Date:			
	6/30/2023			
Points				
70.00				

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Beckley Sanitary Board (Koch Ave)	\$2,854,000	\$2,854,000
105			
SRF #C:	Needs Categories:	Problem	
544706	CWT-Sewer System Rehabilitation Stormwater-Gray Infrastructure	-Existing stormwater system in project area is beyond its usable life span. System has drainage pipe that is undersized and with poor geometry for the area being served, flooding is frequent resulting in erosion along the rights-of-way and asphalt deterioration. Sanitary sewer system is in close proximity to existing stormwater system.	
County:		-Sanitary sewer system in project area is outdated and beyond its usable life span. The poor condition of pipes and sewer structures in this area makes it subject to leaks and breaks resulting in insufficient conveyance of sewage to treatment facility.	
Raleigh		Solution	
NPDES #WV:		The proposed Koch Avenue project will mitigate these issues by implementing a rehabilitation project of the existing stormwater drainage system and sanitary sewer system in the project area. Culverts will be resized and replaced to better handle the drainage capacity and conveyance necessary for the area. Existing sanitary sewer pipes will be replaced and structures will be installed as needed within existing rights-of-way and easements.	
0023183			
Binding Date:			
6/30/2023			
Points			
70.00			

Rank	Beckley Sanitary Board (Maplewood Lane)	\$2,335,400	\$2,335,400
106			
SRF #C:	Needs Categories:	Problem	
544707	CWT-Sewer System Rehabilitation Stormwater-Gray Infrastructure	-Existing stormwater system in project area is beyond its usable life span. System has drainage pipe that is undersized and with poor geometry for the area being served, flooding is frequent resulting in erosion along the rights-of-way and asphalt deterioration. Sanitary sewer system is in close proximity to existing stormwater system.	
County:		-Sanitary sewer system in project area is outdated and beyond its usable life span. Poor condition of pipes and sewer structures in this area makes it subject to leaks and breaks resulting in insufficient conveyance of sewage to treatment facility.	
Raleigh		Solution	
NPDES #WV:		The proposed Maplewood Lane project will mitigate these issues by implementing a rehabilitation project of the existing stormwater drainage system and sanitary sewer system in the project area. Culverts will be resized and replaced to better handle the drainage capacity and conveyance necessary for the area. Existing sanitary sewer pipes will be replaced and structures will be installed as needed within existing rights-of-way and easements.	
0023183			
Binding Date:			
6/30/2023			
Points			
70.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Beckley Sanitary Board (Northwestern)	\$3,241,000	\$3,241,000
107			
SRF #C:	Needs Categories:	Problem	
544709	CWT-Sewer System Rehabilitation Stormwater-Gray Infrastructure	Much of infrastructure in project area is nearing or past its useful service life and undersized for current flows. Stormwater structures frequently experience backups during wet weather events leading to water ponding on streets and yards. Due to age and condition of sewer infrastructure, sewer system is a source of inflow and infiltration. Existing infrastructure would be removed and replaced correcting inefficiencies in the system.	
County:		Solution	
Raleigh		The project proposes to remove and replace sanitary sewer and stormwater along Travelers Lane, Perdue Street, Phillips Street, and Sigmund Street; sanitary sewer from Dexter Avenue to Harper Road; and stormwater from Fairview Avenue to Harper Road. Stormwater and sanitary sewer conveyance structures would be properly sized for current and future flows.	
NPDES #WV:			
0023183			
Binding Date:			
6/30/2023			
Points			
70.00			

Rank	Beckley Sanitary Board (Robert C. Byrd Dr.)	\$6,150,000	\$6,150,000
108			
SRF #C:	Needs Categories:	Problem	
544712	CWT-Sewer System Rehabilitation Stormwater-Gray Infrastructure	-Wastewater conveyance system is degraded and nearing or past its useful service life. Stormwater infrastructure in vicinity of Gate St. runs under commercial and residential properties and needs increased in size and rerouted. -Stormwater infrastructure at Ewart Ave along Robert C. Byrd Dr. is undersized and nearing past its useful service life. Frequent flooding occurs in vicinity of Ewart Ave and Robert C. Byrd Dr. leading to dangerous road conditions and travel disruptions.	
County:		Solution	
Raleigh		Remove and replace sanitary sewer infrastructure along Ewart Ave from Lundy Lane to Robert C. Byrd Dr.; reroute and upgrade stormwater infrastructure in vicinity of Gate St. adjacent to Robert C. Byrd Dr.; and upgrade stormwater infrastructure from Ewart Ave and Robert C. Byrd Dr. to Little Whitestick Creek. Appropriately sized box culverts will be installed at intersection of Ewart Ave and Robert C. Byrd Dr., an open channel will be developed adjacent to Robert C. Byrd Dr. behind Beckley Welding and sized to handle at least a 10-year storm. The open-channel will tie into a new box culvert at Ollie's shopping center parking lot.	
NPDES #WV:			
0023183			
Binding Date:			
6/30/2023			
Points			
70.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Beckley Sanitary Board (Whitestick)	\$5,628,500	\$5,628,500
109			
SRF #C:	Needs Categories:	Problem	
544713	CWT-Sewer System Rehabilitation Stormwater-Gray Infrastructure	Culverts are undersized and many improperly installed or at end of service life. Stream banks show erosion and lack of conveyance capacity and rights-of-way runoff is impacting private properties, leading to stream sedimentation. Roadway flooding regularly occurs and may be impacting adjacent sanitary sewer systems. Stream crossings are failing and undersized and roadway surface drainage on New River Dr. causes asphalt deterioration. Flooding impacts assets of Maxwell Woods and Pikeview Manor Communities.	
County:		Solution	
Raleigh		The proposed project will involve stormwater system upgrades and rehabilitation in the vicinities of Maxwell Woods from Teel Rd to Pikeview Drive, North Forrest Rd, North Lilly Street, and Pikeview Manor. Sewer and Stormwater infrastructure will be upgraded along New River Drive.	
NPDES #WV:			
0023183			
Binding Date:			
6/30/2023			
Points			
70.00			

Rank	Bluefield Sanitary Board (Brushfork)	\$1,750,000	\$1,750,000
110			
SRF #C:	Needs Categories:	Problem	
544719	CWT-Sewer System Rehabilitation CWT-New Collector Sewers	This sewer system serves approx. 700 customers. Sewer is conveyed through Thompson PS, near the Brushfork Armory on the banks of Brushfork Creek. This PS and its FM were installed in 1969 and never upgraded. Aging station is experiencing downtimes due to mechanical failures and almost obsolete parts. The PS pumps approx. 105,000 GPD. The Nichols Rd. community has no access to Public Sewer & is dependent on individual septic systems, which are failing, resulting in raw sewage in yards and ditches creating potential health hazards.	
County:		Solution	
Mercer		1) Replace the Thompson Pumping Station 2) Replace the force mains corresponding to the Thompson Pumping Station 3) Extend sewer services to all the residents along Nichols Road 4) Install a mechanical screen downstream of the new station to remove all the non-flushable materials from this system	
NPDES #WV:			
0023141			
Binding Date:			
6/30/2023			
Points			
70.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Carpendale, Town of	\$1,981,792	\$5,421,440
111			
SRF #C:	Needs Categories:	Problem	
544722	CWT-Infiltration/Inflow CWT-Sewer System Rehabilitation	1) Removal of existing force main from abandoned, condemned railroad tunnel 2) Removal of existing force main from National Park Service C&O Canal Trail in Maryland 3) Undersized Force Main 4) Inefficient collection system piping (cracked, egg shaped, root intrusions) 5) Unreliable pump station controls and electronics 6) No backup power at pump stations	
County:		Solution	
Mineral		1) Limit I&I in Carpendale Syst. by replacing collection system infrastructure in Millerdale area. Remove force main (FM) from abandoned railroad tunnel and convey sewage from Carpendale to Ridgeley, WV and then to Cumberland, MD for treatment. Carpendale and Ridgeley worked closely to develop agreement for project. 2) FM from Carpendale wouldn't be subject to potential rock falls in railroad tunnel, or the National Park Service in Maryland due to ROW through C&O Canal Trail. Upgrade all Carpendale Pump Stations and cut large percentage of I&I from treatment costs with installation of updated manholes and piping.	
NPDES #WV:			
0101567			
Binding Date:			
6/30/2023			
Points			
70.00			

Rank	Glenville Utility Board	*	\$2,790,000
112			
SRF #C:	Needs Categories:	Problem	
N/A	CWT-Infiltration/Inflow CWT-Sewer System Rehabilitation Stormwater-Gray Infrastructure	The Glenville Utility Board (GUB) has a combined sewer system with three overflows and is impacted by storm water in downtown Glenville and the Glenville College. The downtown area floods during moderate to heavy rainfalls, flooding streets and impacting the GUB collection system. GUB has had a SSES performed and some of the worst storm water areas are in this area of downtown. This project would eliminate flooding in the downtown area, reduce storm water inflow into the wastewater collection system and into the wastewater treatment plant, and reduce wet weather overflows of combined wastewater/storm water.	
County:		Solution	
Gilmer		GUB proposes to construct 7,000 feet of storm sewers and direct the runoff to three new outlets to the Little Kanawha River. The project includes 75 new storm drain inlet structures, and eliminate the storm water inlets into the sanitary sewer in multiple locations.	
NPDES #WV:			
0040040			
Binding Date:			
N/A			
Points			
70.00		*Project is included for earmark eligibility.	

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Kanawha PSD (Phase II)		\$4,860,000	\$7,860,000
113				
SRF #C:	Needs Categories:	Problem		
544734	CWT-Secondary Treatment CWT-New Collector Sewers	<p>The Upper Witcher Creek area is filled with outdated and failing septic tank systems which drain into Dry Branch causing high volumes of fecal material being transported to Witcher Creek and then to the Kanawha River 0.5 miles upstream from Belle. This sanitary sewer line would eliminate the need for these small ineffective systems and provide a healthy community to the residents of the area. The older section of the plant is past its useful life and is failing and requiring many upgrades and rehabilitation to operate properly and efficiently.</p> <p>Solution</p> <p>The project proposes construction of 11,000 LF of 8-inch PVC gravity sewer, 3,000 LF of 4-inch PVC service laterals, 1,000 LF of 4-inch PVC force main along with 60 manholes, 1 Pump Station, and 2 stream crossings. Upgrades to the plant will include the replacement of 3 blowers, aeration basin piping, aeration basin rehabilitation, rehabilitation of existing clarifiers, new roofing on RAS buildings, upgrading of controls, new emergency generator, and a new Belt Filter Press.</p>		
County:				
Kanawha				
NPDES #WV:				
0021784				
Binding Date:				
6/30/2023				
Points				
70.00				

Rank	Matewan, Town of		\$5,160,000	\$6,160,000
114				
SRF #C:	Needs Categories:	Problem		
544482	CWT-Secondary Treatment	<p>The existing RBC Wastewater Treatment Facility is not meeting discharge permit limits.</p> <p>Solution</p> <p>Upgrade the existing wastewater treatment facility to address more stringent discharge limits.</p>		
County:				
Mingo				
NPDES #WV:				
0024783				
Binding Date:				
6/30/2023				
Points				
70.00				

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Mercer County PSD (Matoaka)	\$1,500,000	\$2,500,000
115			
SRF #C:	Needs Categories:	Problem	
544671	CWT-Secondary Treatment	Collection system is experiencing I&I problems throughout the system. The system is nearly 50 years old and sags, holes, and other deformities were found throughout the pipe sections by camera inspections performed in early 2020.	
County:	CWT-Infiltration/Inflow		
Mercer	CWT-Sewer System Rehabilitation		
NPDES #WV:			
0024864		Solution	
Binding Date:		The proposed project will involve the replacement and rehabilitation of sanitary sewer lines and sanitary sewer manholes. In addition, the WWTP and lift station will be updated.	
6/30/2023			
Points			
70.00			

Rank	North Hills, Town of	\$4,095,300	\$4,095,300
116			
SRF #C:	Needs Categories:	Problem	
544743	CWT-Infiltration/Inflow	Town of North Hills has been experiencing large amounts of Inflow & Infiltration (I&I) within their existing collection syst. during wet weather events. Due to large amounts of I&I in system the Town installed a Pump Station and Forcemain that could accommodate wet weather peak flows. Due to large amount of I&I experienced, Pump Station was over sized and has caused issues for non-peak flow leading to septic conditions in Wet Well and forcemain system prior to entering the Union Williams PSD (PSD) System. Septic conditions are leading to damage to the Town's and PSD's Sanitary Sewer Systems.	
County:	CWT-Sewer System Rehabilitation		
Wood			
NPDES #WV:			
0085642		Solution	
Binding Date:		Project will involve replacement of existing forcemain with a new appropriately sized forcemain and lift station. Also, I&I investigation, evaluation, and replacement of sections of gravity sanitary sewer collection system. Replacement of Lift Station and both forcemain and gravity sewer systems will lower I&I to a manageable level by properly sized lift station. This will allow for the town to continue to provide customers with sanitary sewer service and convey all sanitary sewer flow to Union Williams PSD's system without risk of septic conditions or damage occurring to North Hill's or Union Williams PSD's Collection system.	
6/30/2023			
Points			
70.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Shady Spring PSD	\$2,904,210	\$7,404,210
117			
SRF #C:	Needs Categories:	Problem	
544645	CWT-Secondary Treatment	Replacing deteriorating treatment units and increasing wastewater treatment plant capacity.	
County:		Solution	
Raleigh		Wastewater Treatment Plant Upgrade - The Plan is to increase the plant capacity from 1,200,000 gpd to 1,600,000 gpd with the addition of a treatment unit. Also includes the replacement of exiting treatment units that have deteriorated due to their age.	
NPDES #WV:			
0080403			
Binding Date:			
6/30/2023			
Points			
70.00			

Rank	Sistersville, City of	\$1,500,000	\$3,600,000
118			
SRF #C:	Needs Categories:	Problem	
544653	CWT-Secondary Treatment CWT-Infiltration/Inflow	Existing WWTP constructed in 1985 has many components reaching the end of useful lives or are inoperable. Plant treats dry weather flows but can't handle excessive wet weather flows (I/I). Collection system suffers from age and is suspected VCP gravity line and brick manholes are contributing to significant portions of I/I. Two pump stations (PS) are aged and outdated, resulting in difficult maintenance and failure during flood events. Additionally, holes and cracks in PS allow I/I to enter the system. City plans to repair/update operations and equip. to extend service life expectancy 15-20 yrs.	
County:		Solution	
Tyler		The project proposes replacement of the existing bar screen, non-potable water system, existing belt filter press, sludge polymer system, and flow meter. Various repairs will be made to the existing grit removal system, oxidation ditch aeration diffusers, UV disinfection system, boat clarifier, and the existing electrical system throughout the plant. The oxidation ditch will be cleaned of debris, the boat clarifier will be cleaned and inspected and new sludge drying beds will be constructed. A Sanitary Sewer Evaluation Study will be completed to determine the scope of work for Phase 2.	
NPDES #WV:			
0021814			
Binding Date:			
6/30/2023			
Points			
70.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Union PSD	\$5,460,000	\$5,460,000
119			
SRF #C:	Needs Categories:	Problem	
544655	CWT-Secondary Treatment CWT-Sewer System Rehabilitation	1. Experiencing very high levels of inflow and infiltration (I&I), 50% of total inflows. Smoke testing and video inspection of collection system identified widespread deterioration of lines and manholes, contributing to I&I. These need a phased approach rehabilitation. 2. Doc Bailey Lift Station (LS) and its associated forcemain (FM) are nearing end of their useful life. LS is undersized for current inflows, and FM has failed on numerous occasions. Repair is difficult due to location in residential backyards. 3. 40th St. WWTP is experiencing hydraulic backups during high inflow periods. 4. Union's office bldg. is undersized for its operations.	
County:		Solution	
Kanawha		Remove and replace 4,500 LF of gravity sewer mains and 20 manholes in Brookhaven subdivision, and the Doc Bailey LS and its force main. Replacement of existing rectangular effluent weir with a v-notch weir, installation of isolation gates on secondary clarifiers, removal and replacement of clarification equipment and yard hydrants, and modification of clarifier effluent at the 40th St. WWTP. Building a new office space, replacing the windows, doors, and roof, and modernizing electrical and HVAC systems at the PSD's existing building.	
NPDES #WV:			
0037486			
Binding Date:			
6/30/2023			
Points			
70.00			

Rank	Pax, Town of	\$500,000	\$1,000,000
120			
SRF #C:	Needs Categories:	Problem	
544685	CWT-Secondary Treatment CWT-New Collector Sewers	The Town has decided to serve seven customers that were removed from the Willis Branch Sewer Extension Project, and install telemetry to all lift stations as well as upgrade the ultraviolet disinfection units.	
County:		Solution	
Fayette		The seven customers will be served by a gravity sewer system with approximately 3,300 feet of 6" gravity sewer main, 20 manholes, 2 cleanouts, lift station telemetry, and ultraviolet disinfection unit upgrade.	
NPDES #WV:			
0040541			
Binding Date:			
6/30/2023			
Points			
65.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Sophia Sanitary Board	\$6,500,000	\$17,000,000
121			
SRF #C:	Needs Categories:	Problem	
544085	CWT-Secondary Treatment	<p>The chlorine contact chamber, dechlorination chamber, post aeration and settling chamber are in need of maintenance and repair, and the baffle walls are visibly crumbling. The mechanical bar screen was broken during inspection and two NOVs were issued due to the failure to meet permitted effluent discharge limitations and failure to properly operate and maintain treatment and control at all times. The watersheds in the area of the WWTP do not meet water quality standards for fecal coliform and are now designated as impaired streams. Also, the WWTP is located within the 100-year floodplain.</p> <p>Solution</p> <p>One alternative solution would be to upgrade the existing plant to improve water quality in the streams nearby and to reduce exceedances of effluent discharge limitations. The preferred alternative is to construct a new WWTP above the 100-year floodplain and anticipate the additional flow from the neighboring community of Coal City. Coal City has approximately 440 residents that utilize septic tanks and leach fields to treat their sewage. The close proximity of these tanks and fields are also contributing to the levels of fecal coliform in the streams nearby.</p>	
County:			
Raleigh			
NPDES #WV:			
0024422			
Binding Date:			
6/30/2023			
Points			
65.00			

Rank	Wardensville, Town of	\$1,765,030	\$1,765,030
122			
SRF #C:	Needs Categories:	Problem	
544648	CWT-Secondary Treatment CWT-Infiltration/Inflow CWT-Sewer System Rehabilitation	<p>Mechanical bar screen at WWTP is inoperable, bypass manual bar screen is utilized currently at the plant. Stabilization ponds at WWTP have encountered issues with duck weed. Cacapon River outfall, designed for .12 MGD and during periods of high water becomes submerged. Headworks bldg. at WWTP is in disrepair with corrosion throughout and needs replaced. Electrical service at plant is single phase and there is no onsite generator for emergencies. Collection syst. has been experiencing I&I issues, 56.66% of flow treated from I&I. Various upgrades are needed at lift stations and a SCADA system needs to be installed.</p> <p>Solution</p> <p>1) Upgrade WWTP's electrical service, install emergency generator, replace existing headworks bldg., install new mechanical bar screen, make improv. to outfall and improve aeration syst. at plant. I&I Study that includes reports, mapping, manhole insp., flow monitoring, smoke testing, and misc. I&I testing, leading to repairs reducing I&I in sewer coll. syst. 2) LS improv. include transfer switch and bypass connections at both stations, Pine St. top replacement, pump guide rail brackets, FM realignment, and control panel replacement. Both PSs will be fitted with permanent generator. 3) Install a SCADA system.</p>	
County:			
Hardy			
NPDES #WV:			
0045501			
Binding Date:			
6/30/2023			
Points			
65.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Weston, City of		*	\$3,960,000
123				
	SRF #C:	Needs Categories:	Problem	
	N/A	CWT-Secondary Treatment	Weston WWTP has never had sewage sludge facilities to prepare for final disposal. The plants sludge has been removed from the holding tanks using a pumping truck and was land applied to several farmers fields near the City. Recently, the farms have withdrawn from the program. Due to change in state regulations regarding background minerals, sludge coming from the plant cannot be land applied due to high content of some minerals in the soil. Weston has to dispose of their sewage sludge by placing it in a local waste landfill and must contain at least 20% solids and be processed using a particular de-watering method.	
	County:		Solution	
	Lewis		An upgrade to the existing treatment plant for a sludge de-watering system would include a sludge drying bed system, polymer feed system, site development including clearing, grading, access road, a decant water pump station, yard piping, a small end loader for sludge removal, electrical upgrade, SCADA system interface, and all other necessary equipment and labor to make a complete system.	
	NPDES #WV:			
	0028088			
	Binding Date:			
	6/30/2023			
Points			*Project is included for earmark eligibility.	
65.00				

Rank	Beckley Sanitary Board (Dry Hill)		\$3,350,000	\$3,350,000
124				
	SRF #C:	Needs Categories:	Problem	
	544626	Stormwater-Gray Infrastructure Stormwater-Green Infrastructure	Culverts undersized, improperly installed, or at end of service life. Stream banks show erosion and lack of conveyance capacity & rights-of-way runoff is impacting properties and leading to stream sedimentation. Much of infrastructure is piecemeal, at capacity, and at end of service life. Existing stormwater culverts are undersized & failing. Downstream channel at Jamescrest has limited capacity due to profile, low gradient, and prior channel realignment. Upstream surface channel has lost definition due to sedimentation & prior modifications. Street rights-of-way drainage conveyance is insufficient & impacting properties.	
	County:		Solution	
	Raleigh		Stormwater syst. upgrades and rehabilitation in Jamescrest, Oakley Rd, Morgan Hills, and Pine Hills. Project will install a regional detention basin capturing runoff and stormflow at Morgan Hills, resize and replace culverts to handle drainage capacity, and stream bank restoration and stream modifications will increase conveyance capacity. Riparian buffer around channels will be re-established. Green infrastructure development within rights-of-way will be implemented to improve drainage conveyance and reduce residential flooding. Existing pipe replacement as needed and inlets installed within road rights-of-way.	
	NPDES #WV:			
	0000000			
	Binding Date:			
	6/30/2023			
Points				
55.00				

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Marmet Sanitary Board, Town of	\$275,000	\$1,075,000
125			
SRF #C:	Needs Categories:	Problem	
544737	CWT-CSO Correction	The parts of the collection system that drain into the Town's 87th Street Pump Station, where one of the Town's permitted CSO's exists are subject to surcharging during heavy precipitation events. During these events, manholes along Maryland Ave are surcharged and raw sewage overflows into the street. These streets are heavily traveled, leading to concerns of increased potential of public exposure to disease causing organisms.	
County:		Solution	
Kanawha		The Town is proposing to abate the overflow on Maryland Ave by increasing the capacity of the collection system in this area and reconfiguring a permitted overflow to the river to increase the capacity of the overflow. The Town is also proposing to reduce the infiltration and inflow entering this part of the collection system by replacing the sanitary sewer lines on Long Alley between 87th Street and 89th Street.	
NPDES #WV:			
0021750			
Binding Date:			
6/30/2023			
Points			
50.00			

Rank	Mount Hope, City of	\$2,550,000	\$2,550,000
126			
SRF #C:	Needs Categories:	Problem	
544697	CWT-Infiltration/Inflow	Existing Mt. Hope collection system has significant Inflow and Infiltration (I&I) problems. There is no access to the piping in many areas along Virginia Ave and connecting streets. Project will include a study and report phase of the existing collection system as well as move the existing sewer system along Virginia Ave and the surrounding area into the road to allow access. Project will also significantly reduce I&I into the system that results from the existing collection system being in disrepair as well as allow access into the proposed lines for maintenance for the City.	
County:		Solution	
Fayette		The work will include a study and report phase on their current system. The existing gravity sewer system will be removed, and a new gravity collection system will be constructed along Virginia Ave as well as Mound St., Lincoln St., Madison St., and Monroe St. to allow for better access into the system.	
NPDES #WV:			
0021776			
Binding Date:			
6/30/2023			
Points			
50.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	New Martinsville, City of	\$27,788,600	\$27,788,600
127			
SRF #C:	Needs Categories:	Problem	
544741	CWT-Sewer System Rehabilitation	Sewers in the AAA Mobile Home Park located in the Steelton Area of the City are located under mobile homes and are not readily accessible for maintenance activities. Additionally, the lift station serving the mobile home park is beyond its useful life and needs replaced.	
County:		Solution	
Wetzel		Construct new sewers and lift station to serve the AAA Mobile Home Park.	
NPDES #WV:			
0027472			
Binding Date:			
6/30/2023			
Points			
50.00			

Rank	Ravenswood, City of	\$4,209,800	\$4,209,800
128			
SRF #C:	Needs Categories:	Problem	
544428	CWT-Sewer System Rehabilitation	The lagoons have had recurring problems with meeting the design effluent ammonia limit of 15 mg/l; the 2017 WV/NPDES permit lowered the limit to 4.7 mg/l and contained a compliance schedule that mandates a facility upgrade. The equipment and controls in the 8 sewage pumping stations has exceeded their useful lives and need to be replaced. The stations lack telemetry or emergency power generation equipment.	
County:		Solution	
Jackson		The pumps and controls in all 8 pumping stations will be replaced and telemetry and emergency generation equipment will be installed. The new WWTP will be designed, but construction will take place during a separate phase. Smoke testing was recently completed and collection system upgrades are proposed to address the smoke test findings and limit I&I in the collection system.	
NPDES #WV:			
0021989			
Binding Date:			
3/31/2023			
Points			
50.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Romney, Town of	\$1,970,000	\$2,470,000
129			
SRF #C:	Needs Categories:	Problem	
544656	CWT-Infiltration/Inflow Stormwater-Green Infrastructure	<p>Romney sanitary sewer system has a history of impacts due to inflow and infiltration (I&I). During storm events, system flows are observed to increase. Romney is taking a phased approach to resolve these issues to keep them from resulting in overflow events. Phase I of project included the replacement of collection system lines, manholes, and cleanouts to reduce I&I. In addition a portion of the storm collection/catchment system has indicated issues encompassing distressed pipes, stream bank deterioration, surface subsidence, viaduct leakage and viaduct alignment under a residential property.</p> <p>Solution</p> <p>The sanitary system portion of project will consist of installation of approx. 540 LF of parallel forcemain to improve pump station operation, replacement of approx. 11,540 LF gravity sewer lines, multiple manhole replacements, laterals reconnections, replacement of a 50-kW portable diesel generator, installation of WWTP gate valves, and other necessary appurtenances. Also, the storm rehabilitation portion of project consists of installation of a storm water management structure, approx. 180 LF 15" storm pipe, 350 LF 48" reinforced concrete pipe culvert, new storm manholes, and 300 LF grouting/backfill of existing viaduct.</p>	
County:			
Hampshire			
NPDES #WV:			
0020699			
Binding Date:			
3/31/2023			
Points			
50.00			

Rank	Sissonville PSD	\$3,655,000	\$3,655,000
130			
SRF #C:	Needs Categories:	Problem	
544570	CWT-Secondary Treatment CWT-Sewer System Rehabilitation	<p>The WWTP and most of the wastewater collection system in the Sissonville area was constructed in the 1980s. Portions of the WWTP have reached the end of their useful life and require rehabilitation, replacement, and/or system improvements to continue successful operation of the WWTP. Wastewater collection system problems include (1) the pumps at the Lakeland Pump Station are being clogged with excessive rags, and (2) the Middle School and Shasta Pump Station wet wells are in need of rehabilitation.</p> <p>Solution</p> <p>-WWTP improv. include rehabilitation of clarifiers, disinfection system upgrade, chlorine tank rehabilitation, replacing existing plant generator and transfer switch, control bldg. rehabilitation, preliminary treatment upgrade and reconfiguration, oxidation ditch improvements and metal grating replacement.</p> <p>-Wastewater collection system improv. include constructing mechanical bar screen and bldg., preceding existing Lakeland Pump Station (PS), relocating lines at PS site, installation of odor control unit, and cleaning, and coating the Middle School and Shasta PS wet wells.</p>	
County:			
Kanawha			
NPDES #WV:			
0029530			
Binding Date:			
3/31/2023			
Points			
50.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Union Williams PSD	\$7,454,200	\$7,454,200
131			
SRF #C:	Needs Categories:	Problem	
544687	CWT-Secondary Treatment CWT-Sewer System Rehabilitation	Septicity in the system which has led to corrosion and degradation of facilities is the primary issue, mostly due to the oversized force mains coming from the Town of North Hills, which leads to sewage retention times magnitudes greater than what would be needed to cause the sewage to become septic.	
County:		Solution	
Wood/Pleasants		Sewer system renovations to the following: Pump Station upgrades to Jesterville, Simex, and Hoagland, fine screen installation and spare pumps at the Hoagland PS, manhole lining/repair at Hoagland Rd, sewer line repair at Reeds Bend, minor modifications at Northwood Village LS and Mullinex LS, vac station modifications, headworks and digester modifications at the treatment plant.	
NPDES #WV:			
0101443			
Binding Date:			
6/30/2023			
Points			
50.00			

Rank	Alderson, Town of	\$1,402,000	\$1,402,000
132			
SRF #C:	Needs Categories:	Problem	
544700	CWT-Sewer System Rehabilitation Stormwater-Gray Infrastructure	Along Linden Ave, there is 1500 LF of 12" combination sanitary/storm sewer piping constructed of terracotta. This combined system produces unnecessary additional flow that must be treated prior to discharge. Due to the age of the terracotta, structure soundness is of high concern. Cracking, root infiltration, and line collapse are all common issues found in terracotta pipe. Environmental contamination is also a severe concern in regard to this section of line. Structural faults allow untreated sanitary sewer to leak into the surrounding soils, and area floods can result in direct surface discharge of this untreated wastewater.	
County:		Solution	
Greenbrier/Monroe		Replacement and separation of 1500 LF section of combination sewer piping. In place of existing 12" line, installation of 24" HDPE line will handle area stormwater flows, and installation of 8" PVC gravity line will handle area sanitary sewer demands. Manholes, existing customer reconnects, and clean-outs will be included on sanitary sewer section of system. Drop-inlets will be constructed along stormwater section of system. By dividing the system and installing updated products, stormwater flows directed to WWTP will be eliminated. Area contamination potential and risk of system failure will be greatly reduced.	
NPDES #WV:			
0000000			
Binding Date:			
6/30/2023			
Points			
45.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Beckley Sanitary Board (FC12 PS)		\$846,000	\$846,000
133				
SRF #C:	Needs Categories:	Problem		
544702	CWT-Sewer System Rehabilitation	The existing FCI #2 pump station is degraded and nearing or past its useful service life. If the pump station is not upgraded and rehabilitated, it will most likely experience failure and potentially lead to untreated sewage being released into soils and waterways. Pump station failure may also result in sewer backups and result in a need for a bypass pump until the pump station can be repaired.		
County:		Solution		
Raleigh		Proposing a project to rehabilitate the FCI #2 sanitary sewer pump station located off Industrial Park Road in Beaver, WV. This pump station services sanitary sewer from the Federal Correctional Institution. This will include new pumps, wet well rehabilitation and upgrades, control upgrades, and other necessary appurtenances.		
NPDES #WV:				
0023183				
Binding Date:				
6/30/2023				
Points				
45.00				

Rank	Beckley Sanitary Board (Harper Crescent)		\$4,982,000	\$4,982,000
134				
SRF #C:	Needs Categories:	Problem		
544703	CWT-Sewer System Rehabilitation Stormwater-Gray Infrastructure	-Existing stormwater system in project area is beyond its usable life span. The system has a drainage pipe that is undersized and with poor geometry for the area being served, therefore, flooding is frequent which results in erosion along the rights-of-way and asphalt deterioration. The sanitary sewer system is in close proximity to the existing stormwater system. -Sanitary sewer system in project area is outdated and beyond its usable life span. The poor condition of pipes and sewer structures in this area makes it subject to significant I&I.		
County:		Solution		
Raleigh		The proposed Harper Park/Crescent Road project will mitigate these issues by implementing a rehabilitation project of the existing stormwater drainage system and sanitary sewer system in the project area. Culverts will be resized and replaced to better handle the drainage capacity and conveyance necessary for the area. Existing sanitary sewer pipes will be replaced, and structures will be installed as needed within existing rights-of-way and easements.		
NPDES #WV:				
0023183				
Binding Date:				
6/30/2023				
Points				
45.00				

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Beckley Sanitary Board (Maxwell Woods)	\$1,506,500	\$1,506,500
135			
SRF #C:	Needs Categories:	Problem	
544708	Stormwater-Gray Infrastructure	<p>Existing stormwater system infrastructure in the project area is undersized and at the end of service life. Currently the existing drainage infrastructure is limited towards the East Beckley Bypass. Due to increased impervious surface and additional commercial developments in the area, stormwater runoff into the conveyance system has increased and infiltration has decreased. This leads to water pooling along roadways and properties and bankfull open-channels. The current drainage situation may be impacting adjacent sanitary sewer systems and can lead to inflow and infiltration.</p> <p>Solution</p> <p>The Project will mitigate these issues by implementing a stormwater rehabilitation project. The project proposes removal of undersized structures and replacement of appropriately sized pipes and culverts to increase drainage capacity.</p>	
County:			
Raleigh			
NPDES #WV:			
0000000		Solution	
Binding Date:			
6/30/2023			
Points			
45.00			

Rank	Beckley Sanitary Board (Woodcrest)	\$2,110,000	\$2,110,000
136			
SRF #C:	Needs Categories:	Problem	
544714	Stormwater-Gray Infrastructure	<p>The existing primary storm sewer system is undersized and at its capacity. The existing channel has incorrect geometry that results in a lack on conveyance capacity. The culverts that are in place are piecemeal, improperly installed, and undersized. The Sanitary Sewer overflows are caused by the direct inflow connections and indirect stormwater infiltration into the system. Water exceeds the banks of the existing channel and floods regularly effecting private properties, several local roads and side streets. High storm sewer flows and flooding create conditions which allow additional inflow and infiltration in the combined sewer system.</p> <p>Solution</p> <p>The Woodcrest project will mitigate these issues by implementing a rehabilitation project in the stormwater system. Development of open channels within rights-of-way will be implemented to improve drainage conveyance and reduce residential flooding. Existing pipe will be replaced as needed and inlets will be installed within road rights-of-way. Existing culverts will be replaced to correct the sizing and installation of existing culverts in the area.</p>	
County:			
Raleigh			
NPDES #WV:			
0000000		Solution	
Binding Date:			
6/30/2023			
Points			
45.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Buffalo Creek PSD	\$13,555,500	\$13,555,500
137			
SRF #C:	Needs Categories:	Problem	
544555	CWT-Secondary Treatment CWT-New Collector Sewers	Increasing the available capacity of the WWTP for future system extension projects. Failing and below on-site treatment units will be eliminated by providing service to approximately 178 new customers in the areas of Greenville and Landville.	
County:		Solution	
Logan		Upgrade of the existing WWTP and extension of a centralized wastewater collection system in the areas of Greenville and Landville.	
NPDES #WV:			
0003851			
Binding Date:			
6/30/2023			
Points			
45.00			

Rank	Burnsville Public Utility Board (Trailer Park Connection)	\$1,880,000	\$1,880,000
138			
SRF #C:	Needs Categories:	Problem	
544720	CWT-New Collector Sewers CWT-New Interceptors	Burnsville Trailer Park sits just outside the Town of Burnsville and the extent of the service area of the Burnsville Public Utility Board's existing service area. The Burnsville Trailer Park consists of roughly 40 mobile home sites, with approximately 25 existing residences and is provided wastewater treatment services via failing package treatment facility. The existing facility is in ruins, with the owner not being able to financially remedy the issue.	
County:		Solution	
Braxton		The proposed project would consist of the installation of a pumping station, connecting to the existing wastewater collection system at Burnsville Trailer Park, abandonment of the existing failing package treatment facility and extension of a forcemain to connect the existing customers to the existing Burnsville Public Utility Board's collection system.	
NPDES #WV:			
0024945			
Binding Date:			
6/30/2023			
Points			
45.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Enlarged Hepzibah PSD	\$2,720,000	\$2,720,000
139			
SRF #C:	Needs Categories:	Problem	
544664	CWT-Sewer System Rehabilitation CWT-New Collector Sewers	<p>-The residences and businesses along Route 24 (Meadowbrook Road) currently do not have access to a sanitary sewer system and rely on the use of septic tanks or HAU's to treat their wastewater.</p> <p>-The system has aging infrastructure which is being repaired by the PSD as needed but many of the components are beyond their useful life. Many of the lift stations throughout the system do not currently have telemetry capabilities, have aging pumps beyond their useful life, and both of the WWTP's have aging infrastructure which is being evaluated.</p>	
County:		Solution	
Harrison		<p>The two pump stations at the Pete Dye Golf Course are being evaluated for replacement or upgrades with duplex submersible stations with concrete wet wells and valve vaults. A standard gravity sewer collection system is proposed to be installed in the Route 24 area to serve residences and businesses. Three pump stations will be installed to convey sewer into the Spelter collection system. All newly collected sewage is currently intended to be treated at the Spelter WWTP.</p>	
NPDES #WV:			
0081001			
Binding Date:			
6/30/2023			
Points			
45.00			

Rank	Greenbrier PSD #2	\$22,435,000	\$22,435,000
140			
SRF #C:	Needs Categories:	Problem	
544732	CWT-Secondary Treatment CWT-Sewer System Rehabilitation	<p>PSD's collection system is old and reaching end of its useful life. Portions of gravity sewer mains are constructed of outdated truss pipe that is known to deteriorate. Video inspections have confirmed this is an ongoing issue in PSD's collection system. PSD's pump stations (PS) need rehabilitation to replace old pumps and controls with new units to meet current operating conditions. PS 4 and 5 currently use outdated and inefficient pneumatic pumps which have reached end of their useful life and are difficult to maintain or repair due to scarcity of parts. WWTP equipment is nearing the end of its useful life and needs replaced.</p>	
County:		Solution	
Greenbrier		<p>1) Old and deteriorating gravity sewer lines, manholes and other appurtenances in Quinwood, WV will be removed and replaced with units constructed of modern materials and designs. 2) Pump stations in the PSD's collection system will have pumps and controls upgraded, except for PS 4 and 5, which shall be decommissioned and replaced by the construction of a single submersible PS at the location of PS 5 and the installation of a new forcemain from the new PS to the current discharge manhole for PS 4. 3) Various equipment at WWTP will be upgraded to prolong useful life of the facility.</p>	
NPDES #WV:			
0040525			
Binding Date:			
6/30/2023			
Points			
45.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Newburg, Town of	\$3,000,000	\$3,000,000
141			
SRF #C:	Needs Categories:	Problem	
544742	CWT-Secondary Treatment	<p>WWTP has exceeded its operational capacity due to large amount of I&I, resulting in operational and maintenance issues. If events which operational capacity is exceeded continue, unrepairable damage may occur. According to the 2020 WV PSC Annual Report, Newburg is treating 14.37% I&I. Maximum gallons treated for any one day was recorded at 95,000 gallons (2.7 times design capacity). Treatment plant also needs upgrades to sand filter basins, site piping, and disinfection technology. They are becoming worn down due to use over time and are not performing to proper standard, inhibiting treatment effectiveness.</p> <p>Solution</p> <p>1. Project will abandon in place existing damaged PVC and Ductile Iron piping and replace with new PVC and D.I. piping to reduce I&I in system, reducing load on the current treatment facility. 2. Upgrades to existing wastewater treatment plant. New mixed media filters replacing current sand filters at the plant. Upgrades also include new Ultraviolet disinfection system, new air piping and diffusers, new sludge return piping, and a new independent post aeration system. Upgrades are necessary to improve the treatment capabilities and will allow Town to meet all current and future NPDES permit requirements.</p>	
County:	CWT-Advanced Treatment		
Preston	CWT-Infiltration/Inflow		
NPDES #WV:			
0024597		Solution	
Binding Date:		1. Project will abandon in place existing damaged PVC and Ductile Iron piping and replace with new PVC and D.I. piping to reduce I&I in system, reducing load on the current treatment facility. 2. Upgrades to existing wastewater treatment plant. New mixed media filters replacing current sand filters at the plant. Upgrades also include new Ultraviolet disinfection system, new air piping and diffusers, new sludge return piping, and a new independent post aeration system. Upgrades are necessary to improve the treatment capabilities and will allow Town to meet all current and future NPDES permit requirements.	
6/30/2023			
Points			
45.00			

Rank	Pea Ridge PSD (B Plant)	\$2,230,000	\$2,230,000
142			
SRF #C:	Needs Categories:	Problem	
544657	CWT-New Collector Sewers	<p>Much of the equipment at Pea Ridge's B WWTP is past the end of its useful life and needs replacement. The headwall on the effluent line which discharges to the Guyandotte River has also been washed out by severe flooding and needs major repairs in the form of an expensive retaining wall. The electrical motor control center is dilapidated and would require a major overhaul to be brought into conformity with modern standards.</p> <p>Solution</p> <p>This project proposes to decommission Pea Ridge's existing B WWTP and convey all flows from the site to Pea Ridge's A WWTP for treatment via forcemain. The A WWTP will have adequate capacity to receive these flows as a result of the aforementioned project to extend service elsewhere and expand treatment capacity.</p>	
County:	CWT-New Interceptors		
Cabell			
NPDES #WV:			
0027413		Solution	
Binding Date:		This project proposes to decommission Pea Ridge's existing B WWTP and convey all flows from the site to Pea Ridge's A WWTP for treatment via forcemain. The A WWTP will have adequate capacity to receive these flows as a result of the aforementioned project to extend service elsewhere and expand treatment capacity.	
6/30/2023			
Points			
45.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Point Pleasant, City of	\$1,624,100	\$1,624,100
143			
SRF #C:	Needs Categories:	Problem	
544749	CWT-Secondary Treatment	Existing facility is nearing the end of the useful life and the secondary clarifier condition continues to deteriorate. Operators are having issues with rags reaching the aeration tanks and clarifiers due to the inefficient arc screen. During cold weather, pressed sludge is unable to be stored overnight and causes issues with meeting the landfill dump schedule.	
County:		Solution	
Mason		Project includes removing the existing inefficient arc screen and replacing with a new finer screen, enclosing the existing sludge storage area to allow solids to be stored during cold weather, and rehabilitating the existing secondary clarifiers.	
NPDES #WV:			
0022039			
Binding Date:			
6/30/2023			
Points			
45.00			

Rank	Summit Park PSD	\$1,600,000	\$1,600,000
144			
SRF #C:	Needs Categories:	Problem	
544754	CWT-Secondary Treatment CWT-Infiltration/Inflow	Existing sanitary sewer collection system operated by Summit Park PSD has been experiencing issues in a section of line and existing lift station which has become deteriorated and needs replacement so wastewater can be conveyed to Clarksburg's WWTP for treatment. Without upgrades and improvements, existing collection line and lift station will continue to deteriorate. Also, some existing gravity sewer lines and manholes are in need of replacement due to their age and amount of I&I that enters the system.	
County:		Solution	
Harrison		Proposed project will involve replacement of existing failing lift station with a new lift station, and evaluation and replacement of necessary sections of failing collection lines allowing for continued conveyance of wastewater for the customers to the Clarksburg WWTP for treatment. Without these necessary improvements, Summit Park PSD will continue to have issues with wastewater conveyance, and with continued wear and tear, may fail to convey wastewater all together. Approximately 3,000 LF of gravity sewer piping will be replaced along with 50 sanitary sewer manholes.	
NPDES #WV:			
0084476			
Binding Date:			
6/30/2023			
Points			
45.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Union, Town of	\$877,000	\$877,000
145			
SRF #C:	Needs Categories:	Problem	
544757	CWT - Sewer System Rehabilitation	Union Sewer Works owns and operates a sanitary sewer pump station located off Pump Street in the Town of Union. The existing pump station is degraded and past its useful service life. In addition to this, the technology and parts utilized in the existing pump station are outdated and it's difficult to obtain replacement parts. The existing pump station is likely to fail if a project is not completed to upgrade or replace the station. Pump station failure may also result in sewer backups within the Town and result in a need for a bypass pump until the station can be repaired or replaced.	
County:		Solution	
Monroe		The Town of Union Sewer Works is proposing a project to decommission the existing pump station and construct a new one in its place. Due to the age and condition of the existing pump station, it is recommended that the Town pursue a project to decommission and demolish the existing pump station and construct a new pump station with up-to-date technology. This will include a new wet well and valve vault structures, access hatches, new pumps, all piping, fittings, and valves, electrical and control equipment, and all other necessary appurtenances.	
NPDES #WV:			
0024368			
Binding Date:			
6/30/2023			
Points			
45.00			

Rank	Vienna Utility Board	\$6,598,700	\$6,598,700
146			
SRF #C:	Needs Categories:	Problem	
544758	CWT-Sewer System Rehabilitation	Bottlenecks in the system can lead to surcharging of the collection system during storm flows.	
County:		Solution	
Wood		Sewer and force main replacements within the collection system.	
NPDES #WV:			
0023221			
Binding Date:			
6/30/2023			
Points			
45.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Vienna Utility Board (Phase 2)		\$4,131,400	\$4,131,400
147				
SRF #C:	Needs Categories:	Problem		
544688	CWT-Sewer System Rehabilitation	Bottlenecks in the system can lead to surcharging of the collection system during storm flows. Sanitary sewer issues found during smoke testing and sewer televising.		
County:		Solution		
Wood		Sewer replacement within the collection system and sewer rehabilitation/replacement throughout the City.		
NPDES #WV:				
0023221				
Binding Date:				
6/30/2023				
Points				
45.00				

Rank	Williamson, City of		\$4,024,000	\$4,024,000
148				
SRF #C:	Needs Categories:	Problem		
544544	CWT-Secondary Treatment CWT-New Collector Sewers CWT-Sewer System Rehabilitation	Structural failure of wastewater pumping stations, structural issues at WWTP facilities and working components, and failing on-site treatment for 3 unserved customers.		
County:		Solution		
Mingo		Installation of new pumping stations, structural repairs to facilities and components at the WWTP, and a small collection system extension to provide service to currently unserved customers.		
NPDES #WV:				
0026271				
Binding Date:				
6/30/2023				
Points				
45.00				

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Hillsboro, Town of	\$1,033,200	\$1,033,200
149			
SRF #C:	Needs Categories:	Problem	
544667	CWT-Secondary Treatment CWT-Sewer System Rehabilitation	Excessive duckweed is within the lagoon and security fence around the treatment plant is in bad condition. The area has been experiencing increased rainfall intensity and longer storm durations, causing I&I problems of the wastewater system. This is putting overwhelming pressure on the lift station to work properly and efficiently, also causing need for increased routine maintenance. Flow monitoring was performed but no conclusive evidence was found on where the main cause of increase I&I was coming from.	
County:		Solution	
Pocahontas		-Disinfection system will be replaced with a new bulk liquid chemical dosing system. The security fence will be replaced. A new skimming system and triploid carp will be added to the lagoon. Reduce duckweed amounts in lagoon, lowering the carbon, nitrogen, phosphorus, pathogens, and toxins in the water. -Replacement of lift station to have increased capacity to aid in increased flows while further study of the system will be performed to locate I&I problem areas and causes. Also, replacement of backup generator and a new maintenance building.	
NPDES #WV:			
0054283			
Binding Date:			
6/30/2023			
Points			
40.00			

Rank	Canaan Valley PSD (Phase II)	\$2,905,000	\$3,405,000
150			
SRF #C:	Needs Categories:	Problem	
544560	CWT-New Interceptors	This project is the second phase of a multi-phased regional sewer system in the Valley. The proposed Phase II project will incorporate the Zone B area into the PSD's system. The Zone B area consists of the communities of Deerfield, Windwood and Canaan Village, which own and operate private sewer systems. Currently, these systems suffer from deteriorating wastewater collection and treatment systems and have a history of NOV's being issued.	
County:		Solution	
Tucker		Canaan Valley PSD is proposing to take over treatment of flows from Zone B communities. To transport flows from Zone B facilities to recently constructed Zone D WWTP, two sewer lift stations are needed at existing Deerfield facility that will service the Deerfield, Windwood and Canaan Village communities. With lift stations, proposed project will include installation of forcemains, gravity sewer, grinder pumps and all necessary appurtenances to convey flow from the communities to the existing forcemain infrastructure and ultimately the Zone D Treatment Plant. The District does not propose to take over the collection systems.	
NPDES #WV:			
0106011			
Binding Date:			
12/31/2022			
Points			
35.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Wardensville, Town of (Solar)	\$375,000	\$750,000
151			
SRF #C:	Needs Categories:	Problem	
544695	Energy Conservation-Renewable Energy	<p>The Town's Wastewater Treatment Plant is entirely electric and is expensive ranging from \$865.50 to \$1,277.59 a month. They anticipate the electric bill will rise at the sewer plant, as additional aerators are installed. Project will change current single phase electric service to 3 phase electrical service, having a slightly lower operational cost. The Town is interested in significantly lowering their operating costs by pursuing a renewable energy source like solar. Project would be entirely green. The Town has stated they could be a role model for similar utilities around the state to explore renewable options.</p> <p>Solution</p> <p>Wardensville is interested in pursuing a green infrastructure component for their wastewater treatment facility to lessen their energy consumption by installing a ground mount solar panel system. Wardensville owns property where the system would be built, having no issues with right-of-ways. Town would like to install a ground mount solar system providing net metering for sewer lagoon and garage. Installing solar array, the Town would be able to significantly reduce monthly O&M utility cost, realizing there will be ongoing monthly costs.</p>	
County:			
Hardy			
NPDES #WV:			
0045501			
Binding Date:			
6/30/2023			
Points			
30.00			

Rank	Beckley Sanitary Board (Kanawha)	\$782,000	\$782,000
152			
SRF #C:	Needs Categories:	Problem	
544705	Stormwater-Gray Infrastructure	<p>Existing primary storm sewer system is undersized and is at the end of its service life. The system experiences regular flooding events due to old infrastructure and conveyance systems that are too small to handle the necessary capacity of stormwater. The Sanitary Sewer overflows are caused by direct inflow connections and indirect stormwater infiltration into the system. High storm sewer flows and flooding create conditions which allow additional inflow and infiltration (I&I) in the combined sewer system. This area is a major contributor of I&I in the Beckley Sanitary Board's sanitary sewer system.</p> <p>Solution</p> <p>The N Kanawha East project will mitigate these issues by implementing a rehabilitation project in the stormwater system. This project proposes to implement a stormwater diversion system that would result in a percentage of runoff and discharge to be diverted along the Rail Trail to Whitestick Creek, rather than entering the existing sanitary sewer. Installation of an enclosed stormwater conveyance system will better handle the drainage capacity necessary in this area. Existing pipe will be replaced as needed and inlets will be installed within road rights-of-way.</p>	
County:			
Raleigh			
NPDES #WV:			
0000000			
Binding Date:			
6/30/2023			
Points			
25.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Beckley Sanitary Board (Woodlawn)	\$2,401,000	\$2,401,000
153			
SRF #C:	Needs Categories:	Problem	
544715	Stormwater-Gray Infrastructure	The existing primary storm sewer system is undersized and at its capacity. These storm sewers are also at the end of their service life. The sanitary sewer overflows are caused by the direct inflow connections and indirect stormwater infiltration into the system including discharge from Park Middle School. Regular flooding impacts private properties and several local roads and side streets. The storm sewer flows and flooding create conditions which allow additional inflow and infiltration in the combined sewer system.	
County:		Solution	
Raleigh		The Woodlawn project will mitigate these issues by implementing a rehabilitation project in the area stormwater system along the east and west sides of Woodlawn Ave. Culverts will be resized and replaced to better handle the drainage capacity necessary in this area. Existing culverts located under buildings will also be relocated. Additional property will be purchased to construct the open stormwater channel as necessary. Existing pipe will be replaced as needed and inlets will be installed within road rights-of-way.	
NPDES #WV:			
0000000			
Binding Date:			
6/30/2023			
Points			
25.00			

Rank	Capon Bridge, Town of	\$875,000	\$1,750,000
154			
SRF #C:	Needs Categories:	Problem	
544766	CWT-Infiltration/Inflow	The 2021 Public Service Commission Annual Report reported an I&I rate of 23.4%. After Contract 2 work completion of the I&I portion, monthly rainfall data submitted shows the WWTP is still receiving significant peaks in flow after rain events. A Manhole inspection in March 2022 found many indications of Infiltration through seams and lids/frames of manholes. In May of 2022 a camera investigation of the Town's system identified many areas with infiltration stains and leaking connections and one section of line had soil protruding into the pipe causing deformation and infiltration of the pipe.	
County:		Solution	
Hampshire		Continue the Town's sanitary sewer collection system improvements, consisting of repairing the remaining sixty manholes by removing and replacing the lids and frames, sealing these manholes with an application of spray on epoxy lining, removal and replacement of 350 linear feet of damaged and deformed 6" sewer line, and repairs to four other sewer lines where leaks were identified. This project also proposes to install an elevated emergency generator at the River Pump Station (PS) and replace the pump and controls as well as add emergency generators at three grinder PSs within the collection system.	
NPDES #WV:			
0103110			
Binding Date:			
6/30/2023			
Points			
25.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Cowen PSD	\$6,850,000	\$6,850,000
155			
SRF #C:	Needs Categories:	Problem	
544724	CWT-Sewer System Rehabilitation CWT-New Collector Sewers	Unincorporated communities of Donaldson and Erbacon near Cowen do not have public sanitary sewer service. Residents and businesses in these communities rely upon individual septic systems of varying condition. Lack of public utilities in these areas pose a potential risk to public health, and acts as an impediment to economic development. Also, Cowen's existing collection system suffers from excessive rates of inflow and infiltration (I&I), 70% of total inflows. This I&I increases both magnitude and volatility of total inflows to Cowen's WWTP, making it more difficult to provide appropriate treatment.	
County:		Solution	
Webster		Rehabilitate existing wastewater collection system and extension to serve approx. 150 new customers in Erbacon and Donaldson. Approx. 15,000 LF of gravity sewer mains, 55 MH, and various appurtenances will be removed/replaced in existing wastewater collection system. Extensions entail construction of approx. 37,000 LF of gravity sewer mains, 10,500 LF of FM, 130 MH, one PS, and all necessary appurtenances. Wastewater from Donaldson will flow by gravity to existing Williams River PS, wastewater from Erbacon will flow into new PS then to existing collection system near Webster Nursing and Rehab Center.	
NPDES #WV:			
0037397			
Binding Date:			
6/30/2023			
Points			
25.00			

Rank	Greater Harrison Co. PSD (Sludge Removal)	\$500,000	\$1,000,000
156			
SRF #C:	Needs Categories:	Problem	
544658	CWT-Secondary Treatment	Pond #1 has never had the sludge removed and is almost at its sludge holding capacity. The PSD is adding flows from new customers in the Clarksburg Country Club and Laurel Park areas. Due to Pond #1 being at sludge holding capacity and the increased flows from these two areas, there is a risk of sludge interrupting the function of the Bio Dome shells currently installed in Pond #2.	
County:		Solution	
Harrison		The PSD is proposing to dredge Pond #1 to remove sludge that has never been removed.	
NPDES #WV:			
0084301			
Binding Date:			
12/31/2022			
Points			
25.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Morgantown Utility Board (Bakers Ridge)		\$3,750,000	\$6,750,000
157				
SRF #C:	Needs Categories:	Problem		
544640	CWT-New Interceptors	Four privately owned/operated package treatment plants and collection systems currently exist to serve the Brettwald, Mountaineer MHP, Graycliff, and Baker Ridge subdivisions. The systems at Bakers Ridge and Mountaineer MHP are old and in need of upgrade. All four systems receive limited operational attention typical of private systems.		
County:		Solution		
Monongalia		Sewer extension connecting the existing Brettwald, Mountaineer MHP, Graycliff, and Bakers Ridge sewer systems to the MUB public sewer system, eliminating four privately owned/operated package treatment plants.		
NPDES #WV:				
0023124				
Binding Date:				
6/30/2023				
Points				
25.00				

Rank	Morgantown Utility Board (Cheat Lake)		\$17,000,000	\$25,000,000
158				
SRF #C:	Needs Categories:	Problem		
544461	CWT-Secondary Treatment	Project will upgrade the existing Cheat Lake WWTP to meet the capacity demands of the growing Cheat Lake system, doubling the plant capacity, from 0.75 MGD to 1.5 MGD.		
County:		Solution		
Monongalia		WWTP Upgrade-Install new oxidation ditch, new secondary clarifier, and related equipment necessary to complete upgrade. The project will also include an upgrade/expansion at the Whites Run Pump Station.		
NPDES #WV:				
0083071				
Binding Date:				
6/30/2023				
Points				
25.00				

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	St. Marys, City of	\$3,237,600	\$3,237,600
159			
SRF #C:	Needs Categories:	Problem	
544753	CWT-Secondary Treatment CWT-Sewer System Rehabilitation	Existing lift stations do not have backup power in case of outage, which can lead to surcharging of the system during power outages. Equalization basin at the WWTP can fill with solids as there is no mixing mechanism, which leads to issues with odors and solids in the effluent. Various gravity sewers and force mains are at the end of the design life and have increased emergency maintenance associated with them.	
County:		Solution	
Pleasants		Add permanent generators to the lift stations. Install mixing system in the EQ basin at the WWTP. Replace various sewers and force mains.	
NPDES #WV:			
0020168			
Binding Date:			
6/30/2023			
Points			
25.00			

Rank	Beckley Sanitary Board (Operations Facility)	\$4,084,000	\$4,084,000
160			
SRF #C:	Needs Categories:	Problem	
544710	CWT-Sewer System Rehabilitation Stormwater-Gray Infrastructure	Beckley Sanitary Board needs a new operations facility. The current office complex is undersized for the current staff and the layout is inadequate for operations. The current office building has no ADA accessibility, parking is limited, storage areas are undersized, and there is no room for growth. In addition, the building is aging and in need of upgrades and repairs.	
County:		Solution	
Raleigh		Project proposes to design and construct a new operations facility along New River Drive. The project would include a new operations building, laydown yard, areas for gravel/sand storage, fuel tanks, vehicle storage areas, rain gardens, utilities, and all other necessary components. The building itself is approximately 9,200 SF and would include office space, maintenance garage bays, and storage space. There is parking and a laydown/storage yard behind the facility.	
NPDES #WV:			
0023183			
Binding Date:			
N/A			
Points			
20.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Beckley Sanitary Board (Ragland)	\$1,506,500	\$1,506,500
161			
SRF #C:	Needs Categories:	Problem	
544711	Stormwater-Gray Infrastructure	Existing stormwater system infrastructure in the project area is undersized and at the end of service life. Currently the existing drainage infrastructure is limited towards the East Beckley Bypass. Due to increased impervious surface and additional commercial developments in the area, stormwater runoff into the conveyance system has increased and infiltration has decreased. This leads to water pooling along roadways and properties and bankfull open-channels. The current drainage situation may be impacting adjacent sanitary sewer systems and can lead to inflow and infiltration.	
County:		Solution	
Raleigh		The Ragland Road project will mitigate these issues by implementing a stormwater rehabilitation project. The project proposes removal of undersized structures and replacement of appropriately sized pipes and culverts to increase drainage capacity.	
NPDES #WV:			
0000000			
Binding Date:			
6/30/2023			
Points			
20.00			

Rank	Davy, Town of	\$2,000,000	\$22,200,000
162			
SRF #C:	Needs Categories:	Problem	
544727	CWT-Secondary Treatment CWT-New Collector Sewers CWT-New Interceptors	1) Project will eliminate significant source of pollution (commonly found in residential, commercial and community wastewater) in the Tug Fork of Big Sandy River. The Tug Fork is an excellent fishery, especially for trout. 2) Subject property will eliminate health hazards posed by failing septic tanks and field lines, as well as hazards posed by raw wastewater discharged into local streams. 3) Project will improve viability of tourism in community, county, and state. Area is popular for Hatfield and McCoy Trail riders, hunters, fishermen and outdoorsmen. Project will improve area's appeal by eliminating unpleasant sights and odors.	
County:		Solution	
McDowell		The proposed project will include the design and construction of a wastewater system for the area served by the Town of Davy waterworks. The project will include the construction/installation of a wastewater treatment plant.	
NPDES #WV:			
0000000			
Binding Date:			
6/30/2023			
Points			
20.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Elk Valley PSD		
163		*	\$5,620,000
SRF #C:	Needs Categories:	Problem	
N/A	CWT-Sewer System Rehabilitation	In June 2016, flooding devastated many communities along the Elk River in Kanawha County, WV. Flooding triggered numerous landslides that destabilized the embankments along Elk River. Due to the locations of EVPSD's infrastructure within the embankments, these embankment failures have caused catastrophic failure of portions of EVPSD's system and jeopardize the integrity of areas still in service. Numerous embankment failures remain, urgently needing addressed. Each of these areas show significant embankment failure, scarps, and/or subsidence with direct impact on sewer and storm water lines in those areas.	
County:		Solution	
Kanawha		Due to the 2016 Elk River flood the Clendenin embankment, Crede Dr embankment, Vantage Dr off Hazel Dr embankment, Trinity LS embankment, 914 Hazel Dr embankment, Old Herbert Hoover HS embankment (sewer relocation), and Mink Shoals embankment (sewer relocation) have ongoing embankment failures. Two locations will have gravity sewer lines relocated and the embankment failures stabilized in the other five areas, including a rock toe key, resloping the river bank and use of rock rip rap to stabilize the river bank and maintain the existing gravity sewers along the river bank. *Project is included for earmark eligibility.	
NPDES #WV:			
0080900			
Binding Date:			
N/A			
Points			
20.00			

Rank	Greater Harrison Co. PSD (Quiet Dell)		
164		\$6,000,000	\$23,000,000
SRF #C:	Needs Categories:	Problem	
544730	CWT-Advanced Treatment CWT-New Collector Sewers	The community of Quiet Dell and its surrounding area do not currently have a public sanitary sewer system. Parts of the area currently rely on failing package treatment plants, while the remaining areas rely on septic tanks.	
County:		Solution	
Harrison		The Greater Harrison County PSD is proposing to construct a new 250,000 gallon per day treatment plant and a new sanitary sewer collection system to service the Quiet Dell area.	
NPDES #WV:			
0084301			
Binding Date:			
6/30/2023			
Points			
20.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Greater Harrison Co. PSD (River Crossing)		\$1,250,000	\$1,250,000
165				
SRF #C:	Needs Categories:	Problem		
544635	CWT-Sewer System Rehabilitation	Once the dams were removed from the West Fork River, three river crossings previously under the water level became exposed. These exposed crossings are at risk of breaks, as they could be damaged from floating debris in the river. The dams were removed to encourage recreational activities, but these exposed lines prevent the river from being easily navigable and pose a safety risk.		
County:		Solution		
Harrison		The PSD is proposing to directional drill under the West Fork riverbed and remove the exposed river crossings. The West Milford dosing structure will have to be converted to a traditional pump station.		
NPDES #WV:				
0084301				
Binding Date:				
6/30/2023				
Points				
20.00				

Rank	Greater Harrison Co. PSD (Woodstock HTS)		\$500,000	\$1,000,000
166				
SRF #C:	Needs Categories:	Problem		
544731	CWT-New Interceptors	The current sludge ponds at Woodstock Heights pose a serious risk to public health and the environment. The ponds have the potential to overflow due to increased demand or an unexpected wet weather event. An overflow of sewage could contaminate surface water and groundwater sources in the area, which would be detrimental to public health and local wildlife. The area is surrounded by undeveloped land and has recently attracted more visitors due to the operation of a local winery. However, existing ponds have capacity limitations that could not support any future population growth in the area.		
County:		Solution		
Harrison		This project proposes to decommission the ponds and install a pump station to tie the Woodstock Heights collection system into the Greater Harrison County PSD's existing sanitary sewer system. All flows from Woodstock Heights would be conveyed to the West Milford WWTP. The ponds would be decommissioned after the pump station is put into service so as not to interrupt sewer service to the Woodstock Heights area customers.		
NPDES #WV:				
0084301				
Binding Date:				
6/30/2023				
Points				
20.00				

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Logan County PSD (Holden)		\$2,300,000	\$8,163,000
167				
SRF #C:	Needs Categories:	Problem		
544669	CWT-New Collector Sewers CWT-New Interceptors	Failing on-site wastewater treatment systems.		
County:		Solution		
Logan		Construction of a centralized wastewater collection system, serving 315 new customers.		
NPDES #WV:				
0105171				
Binding Date:				
6/30/2023				
Points				
20.00				

Rank	Logan County PSD (Mud Fork)		\$5,325,000	\$5,625,000
168				
SRF #C:	Needs Categories:	Problem		
544460-02	CWT-New Collector Sewers CWT-New Interceptors	Virtually all 223 potential customers in the project area do not have access to a public wastewater system. According to the Logan Co. Health Department, approximately 10 percent of residents to be served by the project utilize private on-site septic systems and approximately 90 percent discharge directly into area streams. In certain areas, sewage is discharged into "community sewer lines" which then discharge into the Guyandotte River and its tributaries. The current sewerage disposal methods in the area are a potential health threat and negatively contribute to the water quality of the Guyandotte River and its tributaries.		
County:		Solution		
Logan		Will provide sewer service to approximately 223 customers (557 persons) in the communities of Mud Fork, Verdunville, Shegon, and surrounding areas of Logan County.		
NPDES #WV:				
0105171				
Binding Date:				
6/30/2023				
Points				
20.00				

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Lubeck PSD	\$2,312,000	\$2,312,000
169			
SRF #C:	Needs Categories:	Problem	
544621	CWT-New Collector Sewers	Providing sanitary sewer service to two commercial customers in the Washington Bottom area of Wood County.	
County:		Solution	
Wood		Extending service to the two potential customers by connecting to the existing Lubeck PSD system.	
NPDES #WV:			
0032590			
Binding Date:			
6/30/2023			
Points			
20.00			

Rank	Mullens, City of (Itmann)	\$2,027,000	\$9,067,000
170			
SRF #C:	Needs Categories:	Problem	
544673	CWT-Secondary Treatment CWT-New Collector Sewers CWT-New Interceptors	Project will eliminate significant pollution in the general receiving stream of the Guyandotte River. Pollutants associated with this source include all pollutants commonly found in residential, commercial and community wastewater. It is noteworthy that the Guyandotte River is an excellent fishery, and two threatened/endangered species of crayfish have been discovered therein. Also, project will eliminate health hazards posed by overfull and failing septic tanks and field lines, as well as hazards posed by raw wastewater discharged into local streams. Project will improve area's appeal by eliminating unpleasant sights and odors.	
County:		Solution	
Wyoming		The proposed project will include the design and construction of a wastewater collection system for the community of Itmann, WV. The project will include the construction/installation of a wastewater treatment plant. Preliminary study indicates that a package plant will be the best choice.	
NPDES #WV:			
0000000			
Binding Date:			
6/30/2023			
Points			
20.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Mullens, City of (Maben)		\$921,000	\$3,961,000
171				
SRF #C:	Needs Categories:	Problem		
544676	CWT-Secondary Treatment CWT-New Collector Sewers CWT-New Interceptors	<p>Project will eliminate a significant source of pollution in receiving stream, Slab Fork of the Guyandotte River. Pollutants associated with this source include all the pollutants commonly found in residential, commercial and community wastewater. It is noteworthy that Guyandotte River is an excellent fishery, and two threatened/endangered species of crayfish have been discovered therein. In addition, subject property will eliminate health hazards posed by overfull and failing septic tanks and field lines, as well as, the hazards posed by raw wastewater discharged into local streams, eliminating unpleasant sights and odors.</p> <p>Solution</p> <p>The proposed project will include the design and construction of a wastewater collection system for the community of Maben, WV. The project will include the construction/installation of a wastewater treatment plant. Preliminary study indicates that a package plant will be the best choice.</p>		
County:				
Wyoming				
NPDES #WV:				
0000000				
Binding Date:				
6/30/2023				
Points				
20.00				

Rank	Mullens, City of (Otsego)		\$876,000	\$4,416,000
172				
SRF #C:	Needs Categories:	Problem		
544677	CWT-Secondary Treatment CWT-New Collector Sewers CWT-New Interceptors	<p>Project will eliminate a significant source of pollution in Slab Fork of the Guyandotte River. Pollutants associated with this source include pollutants commonly found in residential, commercial and community wastewater. It is noteworthy that the Guyandotte River is an excellent fishery, and two threatened/endangered species of crayfish have been discovered therein. Also, property will eliminate health hazards posed by overfull and failing septic tanks and field lines, as well as hazards posed by raw wastewater discharged into local streams. Project will improve the area's appeal by eliminating unpleasant sights and odors.</p> <p>Solution</p> <p>The proposed project will include the design and construction of a wastewater collection system for the community of Otsego, WV. The project will include the construction/installation of a wastewater treatment plant. Preliminary study indicates that a package plant will be the best choice.</p>		
County:				
Wyoming				
NPDES #WV:				
0000000				
Binding Date:				
6/30/2023				
Points				
20.00				

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Mullens, City of (WWTP)	\$397,000	\$897,000
173			
SRF #C:	Needs Categories:	Problem	
544680	CWT-Secondary Treatment	The existing plant is aged and prone to various mechanical and component failures. The plant is inadequately sized to handle the proposed expansion of services.	
County:		Solution	
Wyoming		The City of Mullens proposes to upgrade the WWTP with the following:	
NPDES #WV:		1. New critical components/equipment	
0020681		2. Replace equipment with higher volume units	
Binding Date:		3. Replace conveyance components with higher volume units	
6/30/2023		4. Upgrade electronics/monitoring/control systems	
Points			
20.00			

Rank	Prichard PSD	\$2,361,000	\$2,361,000
174			
SRF #C:	Needs Categories:	Problem	
544298	CWT-New Collector Sewers CWT-New Interceptors	Failing or non-existent on-site wastewater treatment systems.	
County:		Solution	
Wayne		Construction of a centralized wastewater collection system to replace failing septic tanks in Centerville, serving 55 new customers. Treatment to be provided at the existing 0.100 MGD Prichard PSD wastewater treatment plant.	
NPDES #WV:			
0105732			
Binding Date:			
6/30/2023			
Points			
20.00			

CLEAN WATER STATE REVOLVING FUND 2023 PRIORITY LIST

Rank/Points Project

SRF Loan Amount

Total Costs

Rank	Weirton Sanitary Board		\$23,405,000	\$23,405,000
175				
	SRF #C:	Needs Categories:	Problem	
	544650	CWT-Secondary Treatment	Weirton's average daily inflows are very close to their permitted limit. During wet months, the average daily flows frequently exceed this limit. This is an obvious regulatory compliance issue, and the lack of reserve capacity means that Weirton is ill-equipped to provide service to new customers. Lastly, the 5th Street Lift Station currently has an unpermitted sanitary sewer overflow that needs to be removed.	
	County:			
	Brooke			
	NPDES #WV:		Solution	
	0023108		Increase treatment capacity of WWTP to 8.0 MGD. Construct second treatment train using SBR technology, consisting of headworks bldg. with mechanical bar screen and vortex grit removal unit, 2 SBR basins with all necessary equip. and controls, 2 EQ and post-EQ basins, and new blower bldg. to provide SBR's and EQ basins with air. Upsize existing UV disinfection and discharge piping to handle greater flows. Upgrade existing equip. that has reached end of its useful life. Pumps, blowers, air diffusers, sludge collection mechanisms, remove/replace existing equip., and eliminate sanitary sewer overflow at 5th St. Lift Station.	
Points	Binding Date:			
20.00	12/31/2022			

APPENDIX B

PROJECTS BUDGETED FOR IUP AVAILABLE FUNDS

Appendix B - Binding Commitments and Cash Draw Proportionality
 Projects Budgeted for the Federal FY 2022 Base (\$18,037,000) and BIL Grants (\$27,745,000)

Name	Project Scope	Proj Num C-544 ____	Activity Code/ Est. BCL	Equivalency Designation	Base Program	BIL General Supplemental \$14,149,950	BIL Principal Forgiveness \$13,595,050	BIL Emerging Contaminants \$1,457,000
Barboursville	WWTP & Collection System Upgrade	615	D	E (2023 Base)	\$7,633,000			
Belle*	I/I Rehabilitation Project	662	P	NE	\$354,900			
Benwood	CSO Project	531	D3 - 1/28/2022	E		\$1,000,000	\$1,000,000	
Bradshaw*	WWTP & Collection System Upgrade	595	D3	NE	\$800,000			
Canaan Valley PSD*	Sewer Extension	560	D2	E			\$1,500,000	
Clay *	WWTP & Pump Station Upgrade	614	D2	E		\$2,065,475	\$1,565,475	
Claywood Park PSD*	I/I Rehabilitation Project	498	D3	E		\$1,344,000	\$1,000,000	
Ellenboro*	WWTP & Collection System Upgrade	632	D3 - 1/11/2022	E		\$1,029,000	\$764,500	
Flemington	Replacing Chlorination with UV disinfection	767	P	E				\$500,000
Follansbee	WWTP Upgrade & CSO Project	599	D3	E (2023 Base)	\$9,269,865			
Greater Harrison Co. PSD*	Sludge Removal	658	D3	NE	\$500,000			
Greater St. Albans PSD*	Sewer Extension	406-04	P	NE	\$16,091,000			
Hinton*	CSO Project	550	D2	NE	\$1,270,000			
Keyser*	WWTP Sludge Management Project	690	D3 - 4/29/2022	E			\$700,000	
McDowell Co. PSD (Jaeger)*	New WWTP & Collection System	513	D3 - 12/1/2020	E		\$0	\$1,500,000	
Mercer Co. PSD*	WWTP & Collection System Upgrade	671	D3 - 4/13/2022	E		\$1,500,000	\$1,500,000	
Mineral Wells PSD*	WWTP & Collection System Upgrade	639	D2	(2023 Base + BIL)	\$5,040,200	\$3,050,175	\$432,775	
Mingo Co. PSD (Chattaroy)	Sewer Extension	312	D3	NE	\$1,000,000			
Mount Zion PSD*	Decentralized WWTP Upgrade	521	D	NE	\$3,080,500			
North Beckley PSD	WWTP & Collection System Upgrade	617	D3	E (2023 Base)	\$13,712,000			
Oak Hill*	I/I Rehabilitation Project	623	D2	NE	\$4,663,000			
Pea Ridge PSD (WWTP)	WWTP Upgrade	576	D3 - 9/15/2020	E (2022 Base)	\$19,570,440			
Pea Ridge PSD (R2P2)	Sewer Extension		D3 - 9/15/2020	E (2022 Base)	\$22,929,560			
Ravenswood*	WWTP & Collection System Upgrade	428	D	NE	\$3,340,650			
Richwood*	I/I Rehabilitation Project	579	D	NE	\$4,784,000			
Shady Spring PSD (Glen Morgan)	WWTP Upgrade	645	D2	NE	\$2,904,210			
Sissonville	WWTP Upgrade	570-01	D	NE	\$2,948,500			
Union Williams PSD*	WWTP & Collection System Upgrade	687	D	NE	\$7,490,000			
Walton PSD*	New Decentralized System	166	D2	E		\$4,161,300	\$3,632,300	
Weirton	WWTP Upgrade	617	D2	E (2022 Base)	\$23,405,000			
Total Projects					\$150,786,825	\$14,149,950	\$13,595,050	\$500,000
							49.00%	\$179,031,825

Activity Codes and Binding Commitment dates

P - facilities planning underway - Summer 2023

D - design underway - Winter 2023

D2 - design under review at DEP - Fall 2022

D3 - design approved by DEP/bid process underway - Summer 2022 unless a specific date is provided

Equivalency Designation

E - Equivalency (See Section V. J. of the IUP for federal requirements)

NE - Non-Equivalency

* Appears eligible for principal forgiveness based upon PPL information

APPENDIX C

PUBLIC MEETING SUMMARY

The FY2023 IUP Public Meeting was scheduled for June 15, 2022, at 10:00am. The meeting took place at the WV DEP's Headquarters in Charleston, WV. An option to attend remotely or call-in was also given. Fifteen members of the public and nine SRF staff were in the meeting. Kathy Emery read the highlights of the FY2023 IUP. The following comments were received via email. No public comments or questions were provided during the meeting.

Question No. 1 – North Beckley requested a cost estimate change.

Answer to Question No. 1 – Cost estimate was updated.

Question No. 2 – The Town of Flemington is interested in pursuing a project to replace its existing WWTP Chlorine Disinfection System with a new UV Disinfection system at its existing WWTP. We would like to request the use of the Emerging Contaminants Funds to complete the proposed \$500,000 project. This project will include the installation of a new UV System and a new effluent flow meter. The total project cost is estimated at \$500,000, and we believe meets the program requirements for the removal of Biological Contaminants and microorganisms, such as antimicrobial bacteria, biological materials, and pathogens.

Answer to Question No. 2 – The Town of Flemington's UV project was included in the FY2023 Priority List.

Question No. 3 – Dan Ferrell with The Thrasher Group submitted an application for Capon Bridge Phase II Sanitary Improvements Project for inclusion to the FY2023 Priority List.

Answer to Question No. 3 – The Capon Bridge Phase II Sanitary Improvements Project was included in the FY2023 Priority List.

Question No. 4 – Can you please provide a clarification on whether or not, the margin of error can be considered for the Poverty rate calculation. This metric, specifically, seems to have a large variation in the Margin of Error, and if applied could determine the points necessary to meet the grant limits.

Answer to Question No. 4 – Thank you for your comment. We will take it under advisement and notify you of any policy changes we make as a result.

APPENDIX D

MEDIAN HOUSEHOLD INCOME BY COUNTY AND MAGISTERIAL DISTRICT

WEST VIRGINIA MEDIAN HOUSEHOLD INCOME
2020 CENSUS
COUNTY & MAGISTERIAL DISTRICTS

Magisterial District	2020 MHI	1.25%	1.50%	1.75%	2.00%	2.50%
Barbour	\$38,906	40.53	48.63	56.74	64.84	81.05
North district, Barbour County	\$37,148	38.70	46.44	54.17	61.91	77.39
South district, Barbour County	\$40,087	41.76	50.11	58.46	66.81	83.51
West district, Barbour County	\$39,470	41.11	49.34	57.56	65.78	82.23
Berkeley	\$65,286	68.01	81.61	95.21	108.81	136.01
Adam Stephens district, Berkeley County	\$41,773	43.51	52.22	60.92	69.62	87.03
Norborne district, Berkeley County	\$68,544	71.40	85.68	99.96	114.24	142.80
Potomac district, Berkeley County	\$63,184	65.82	78.98	92.14	105.31	131.63
Shenandoah district, Berkeley County	\$68,007	70.84	85.01	99.18	113.35	141.68
Tuscarora district, Berkeley County	\$68,874	71.74	86.09	100.44	114.79	143.49
Valley district, Berkeley County	\$72,155	75.16	90.19	105.23	120.26	150.32
Boone	\$45,297	47.18	56.62	66.06	75.50	94.37
District 1, Boone County	\$47,530	49.51	59.41	69.31	79.22	99.02
District 2, Boone County	\$38,274	39.87	47.84	55.82	63.79	79.74
District 3, Boone County	\$51,151	53.28	63.94	74.60	85.25	106.56
Braxton	\$43,819	45.64	54.77	63.90	73.03	91.29
Eastern district, Braxton County	\$41,019	42.73	51.27	59.82	68.37	85.46
Northern district, Braxton County	\$39,803	41.46	49.75	58.05	66.34	82.92
Southern district, Braxton County	\$43,945	45.78	54.93	64.09	73.24	91.55
Western district, Braxton County	\$51,295	53.43	64.12	74.81	85.49	106.86
Brooke	\$48,168	50.18	60.21	70.25	80.28	100.35
Follansbee district, Brooke County	\$43,149	44.95	53.94	62.93	71.92	89.89
Weirton district, Brooke County	\$51,392	53.53	64.24	74.95	85.65	107.07
Wellsburg district, Brooke County	\$47,863	49.86	59.83	69.80	79.77	99.71
Cabell	\$41,472	43.20	51.84	60.48	69.12	86.40
District 1, Cabell County	\$44,500	46.35	55.63	64.90	74.17	92.71
District 2, Cabell County	\$26,474	27.58	33.09	38.61	44.12	55.15
District 3, Cabell County	\$30,835	32.12	38.54	44.97	51.39	64.24
District 4, Cabell County	\$50,013	52.10	62.52	72.94	83.36	104.19
District 5, Cabell County	\$53,699	55.94	67.12	78.31	89.50	111.87
Calhoun	\$38,668	40.28	48.34	56.39	64.45	80.56
District 1, Calhoun County	\$45,029	46.91	56.29	65.67	75.05	93.81
District 2, Calhoun County	\$40,556	42.25	50.70	59.14	67.59	84.49
District 3, Calhoun County	\$40,921	42.63	51.15	59.68	68.20	85.25
District 4, Calhoun County	\$38,125	39.71	47.66	55.60	63.54	79.43
District 5, Calhoun County	\$35,521	37.00	44.40	51.80	59.20	74.00
Clay	\$35,154	36.62	43.94	51.27	58.59	73.24
District A, Clay County	\$33,542	34.94	41.93	48.92	55.90	69.88
District B, Clay County	\$26,362	27.46	32.95	38.44	43.94	54.92
District C, Clay County	\$42,750	44.53	53.44	62.34	71.25	89.06
Doddridge	\$51,300	53.44	64.13	74.81	85.50	106.88
Beech district, Doddridge County	\$37,807	39.38	47.26	55.14	63.01	78.76
Maple district, Doddridge County	\$69,620	72.52	87.03	101.53	116.03	145.04

WEST VIRGINIA MEDIAN HOUSEHOLD INCOME
2020 CENSUS
COUNTY & MAGISTERIAL DISTRICTS

Magisterial District	2020 MHI	1.25%	1.50%	1.75%	2.00%	2.50%
Oak district, Doddridge County	\$50,935	53.06	63.67	74.28	84.89	106.11
Pine district, Doddridge County	\$57,833	60.24	72.29	84.34	96.39	120.49
Fayette	\$43,722	45.54	54.65	63.76	72.87	91.09
New Haven district, Fayette County	\$46,316	48.25	57.90	67.54	77.19	96.49
Plateau district, Fayette County	\$42,921	44.71	53.65	62.59	71.54	89.42
Valley district, Fayette County	\$42,268	44.03	52.84	61.64	70.45	88.06
Gilmer	\$42,883	44.67	53.60	62.54	71.47	89.34
Center district, Gilmer County	\$39,693	41.35	49.62	57.89	66.16	82.69
City district, Gilmer County	\$34,250	35.68	42.81	49.95	57.08	71.35
De Kalb-Troy district, Gilmer County	\$44,280	46.13	55.35	64.58	73.80	92.25
Glenville district, Gilmer County	\$48,750	50.78	60.94	71.09	81.25	101.56
Grant	\$43,313	45.12	54.14	63.16	72.19	90.24
Grant district, Grant County	\$41,649	43.38	52.06	60.74	69.42	86.77
Milroy district, Grant County	\$41,321	43.04	51.65	60.26	68.87	86.09
Union district, Grant County	\$52,152	54.33	65.19	76.06	86.92	108.65
Greenbrier	\$39,807	41.47	49.76	58.05	66.35	82.93
Central district, Greenbrier County	\$45,283	47.17	56.60	66.04	75.47	94.34
Eastern district, Greenbrier County	\$35,338	36.81	44.17	51.53	58.90	73.62
Western district, Greenbrier County	\$41,261	42.98	51.58	60.17	68.77	85.96
Hampshire	\$48,528	50.55	60.66	70.77	80.88	101.10
Bloomery district, Hampshire County	\$66,930	69.72	83.66	97.61	111.55	139.44
Capon district, Hampshire County	\$62,228	64.82	77.79	90.75	103.71	129.64
Gore district, Hampshire County	\$54,732	57.01	68.42	79.82	91.22	114.03
Mill Creek district, Hampshire County	\$50,547	52.65	63.18	73.71	84.25	105.31
Romney district, Hampshire County	\$33,943	35.36	42.43	49.50	56.57	70.71
Sherman district, Hampshire County	\$47,578	49.56	59.47	69.38	79.30	99.12
Springfield district, Hampshire County	\$42,159	43.92	52.70	61.48	70.27	87.83
Hancock	\$48,140	50.15	60.18	70.20	80.23	100.29
Butler district, Hancock County	\$55,773	58.10	69.72	81.34	92.96	116.19
Clay district, Hancock County	\$45,966	47.88	57.46	67.03	76.61	95.76
Grant district, Hancock County	\$44,854	46.72	56.07	65.41	74.76	93.45
Hardy	\$46,513	48.45	58.14	67.83	77.52	96.90
Capon district, Hardy County	\$45,756	47.66	57.20	66.73	76.26	95.33
Lost River district, Hardy County	\$51,406	53.55	64.26	74.97	85.68	107.10
Moorefield district, Hardy County	\$47,500	49.48	59.38	69.27	79.17	98.96
Old Fields district, Hardy County	\$42,034	43.79	52.54	61.30	70.06	87.57
South Fork district, Hardy County	\$47,207	49.17	59.01	68.84	78.68	98.35
Harrison	\$52,134	54.31	65.17	76.03	86.89	108.61
Eastern district, Harrison County	\$75,050	78.18	93.81	109.45	125.08	156.35
Northern district, Harrison County	\$53,343	55.57	66.68	77.79	88.91	111.13
North Urban district, Harrison County	\$40,375	42.06	50.47	58.88	67.29	84.11

WEST VIRGINIA MEDIAN HOUSEHOLD INCOME
2020 CENSUS
COUNTY & MAGISTERIAL DISTRICTS

Magisterial District	2020 MHI	1.25%	1.50%	1.75%	2.00%	2.50%
Southern district, Harrison County	\$55,080	57.38	68.85	80.33	91.80	114.75
South Urban district, Harrison County	\$52,275	54.45	65.34	76.23	87.13	108.91
Southwest district, Harrison County	\$50,752	52.87	63.44	74.01	84.59	105.73
Jackson	\$49,115	51.16	61.39	71.63	81.86	102.32
Eastern district, Jackson County	\$45,818	47.73	57.27	66.82	76.36	95.45
Northern district, Jackson County	\$49,528	51.59	61.91	72.23	82.55	103.18
Western district, Jackson County	\$53,156	55.37	66.45	77.52	88.59	110.74
Jefferson	\$82,551	85.99	103.19	120.39	137.59	171.98
Charles Town district, Jefferson County	\$67,962	70.79	84.95	99.11	113.27	141.59
Harpers Ferry district, Jefferson County	\$76,905	80.11	96.13	112.15	128.18	160.22
Kabletown district, Jefferson County	\$115,469	120.28	144.34	168.39	192.45	240.56
Middleway district, Jefferson County	\$72,136	75.14	90.17	105.20	120.23	150.28
Shepherdstown district, Jefferson County	\$88,523	92.21	110.65	129.10	147.54	184.42
Kanawha	\$47,122	49.09	58.90	68.72	78.54	98.17
District 1, Kanawha County	\$43,831	45.66	54.79	63.92	73.05	91.31
District 2, Kanawha County	\$51,916	54.08	64.90	75.71	86.53	108.16
District 3, Kanawha County	\$50,204	52.30	62.76	73.21	83.67	104.59
District 4, Kanawha County	\$42,112	43.87	52.64	61.41	70.19	87.73
Lewis	\$43,894	45.72	54.87	64.01	73.16	91.45
Courthouse-Collins Settlement district, Lewis	\$34,800	36.25	43.50	50.75	58.00	72.50
Freemans Creek district, Lewis County	\$49,030	51.07	61.29	71.50	81.72	102.15
Hackers Creek-Skin Creek district, Lewis County	\$46,667	48.61	58.33	68.06	77.78	97.22
Lincoln	\$42,064	43.82	52.58	61.34	70.11	87.63
District 1, Lincoln County	\$55,826	58.15	69.78	81.41	93.04	116.30
District 2, Lincoln County	\$33,011	34.39	41.26	48.14	55.02	68.77
District 3, Lincoln County	\$36,772	38.30	45.97	53.63	61.29	76.61
Logan	\$36,250	37.76	45.31	52.86	60.42	75.52
Central district, Logan County	\$38,605	40.21	48.26	56.30	64.34	80.43
Eastern district, Logan County	\$33,014	34.39	41.27	48.15	55.02	68.78
Western district, Logan County	\$45,396	47.29	56.75	66.20	75.66	94.58
Marion	\$52,856	55.06	66.07	77.08	88.09	99.11
Middletown district, Marion County	\$45,274	47.16	56.59	66.02	75.46	94.32
Palatine district, Marion County	\$60,511	63.03	75.64	88.25	100.85	126.06
West Augusta district, Marion County	\$53,660	55.90	67.08	78.25	89.43	111.79
Marshall	\$52,856	55.06	66.07	77.08	88.09	110.12
District 1, Marshall County	\$53,311	55.53	66.64	77.75	88.85	111.06
District 2, Marshall County	\$36,161	37.67	45.20	52.73	60.27	75.34
District 3, Marshall County	\$56,442	58.79	70.55	82.31	94.07	117.59
Mason	\$51,820	53.98	64.78	75.57	86.37	107.96

WEST VIRGINIA MEDIAN HOUSEHOLD INCOME
2020 CENSUS
COUNTY & MAGISTERIAL DISTRICTS

Magisterial District	2020 MHI	1.25%	1.50%	1.75%	2.00%	2.50%
Arbuckle district, Mason County	\$34,234	35.66	42.79	49.92	57.06	71.32
Clendenin district, Mason County	\$40,938	42.64	51.17	59.70	68.23	85.29
Cologne district, Mason County	\$55,476	57.79	69.35	80.90	92.46	115.58
Cooper district, Mason County	\$56,473	58.83	70.59	82.36	94.12	117.65
Graham district, Mason County	\$51,073	53.20	63.84	74.48	85.12	106.40
Hannan district, Mason County	\$66,319	69.08	82.90	96.72	110.53	138.16
Lewis district, Mason County	\$55,025	57.32	68.78	80.24	91.71	114.64
Robinson district, Mason County	\$57,232	59.62	71.54	83.46	95.39	119.23
Union district, Mason County	\$51,278	53.41	64.10	74.78	85.46	106.83
Waggener district, Mason County	\$34,779	36.23	43.47	50.72	57.97	72.46
McDowell	\$26,072	27.16	32.59	38.02	43.45	54.32
Big Creek district, McDowell County	\$24,688	25.72	30.86	36.00	41.15	51.43
Browns Creek district, McDowell County	\$24,663	25.69	30.83	35.97	41.11	51.38
North Elkin district, McDowell County	\$31,959	33.29	39.95	46.61	53.27	66.58
Sandy River district, McDowell County	\$27,590	28.74	34.49	40.24	45.98	57.48
Mercer	\$40,716	42.41	50.90	59.38	67.86	84.83
District I, Mercer County	\$36,048	37.55	45.06	52.57	60.08	75.10
District II, Mercer County	\$44,071	45.91	55.09	64.27	73.45	91.81
District III, Mercer County	\$41,144	42.86	51.43	60.00	68.57	85.72
Mineral	\$51,723	53.88	64.65	75.43	86.21	107.76
District 1, Mineral County	\$50,583	52.69	63.23	73.77	84.31	105.38
District 2, Mineral County	\$49,922	52.00	62.40	72.80	83.20	104.00
District 3, Mineral County	\$53,750	55.99	67.19	78.39	89.58	111.98
Mingo	\$35,454	36.93	44.32	51.70	59.09	73.86
Beech Ben Mate district, Mingo County	\$27,634	28.79	34.54	40.30	46.06	57.57
Kermit Harvey district, Mingo County	\$35,338	36.81	44.17	51.53	58.90	73.62
Lee district, Mingo County	\$39,388	41.03	49.24	57.44	65.65	82.06
Magnolia district, Mingo County	\$30,313	31.58	37.89	44.21	50.52	63.15
Stafford district, Mingo County	\$42,154	43.91	52.69	61.47	70.26	87.82
Tug Hardee district, Mingo County	\$36,325	37.84	45.41	52.97	60.54	75.68
Williamson district, Mingo County	\$27,267	28.40	34.08	39.76	45.45	56.81
Monongalia	\$54,198	56.46	67.75	79.04	90.33	112.91
Central district, Monongalia County	\$43,545	45.36	54.43	63.50	72.58	90.72
Eastern district, Monongalia County	\$56,628	58.99	70.79	82.58	94.38	117.98
Western district, Monongalia County	\$58,311	60.74	72.89	85.04	97.19	121.48
Monroe	\$44,828	46.70	56.04	65.37	74.71	93.39
Central district, Monroe County	\$37,703	39.27	47.13	54.98	62.84	78.55
Eastern district, Monroe County	\$43,500	45.31	54.38	63.44	72.50	90.63
Western district, Monroe County	\$49,631	51.70	62.04	72.38	82.72	103.40

WEST VIRGINIA MEDIAN HOUSEHOLD INCOME
2020 CENSUS
COUNTY & MAGISTERIAL DISTRICTS

Magisterial District	2020 MHI	1.25%	1.50%	1.75%	2.00%	2.50%
Morgan	\$57,116	59.50	71.40	83.29	95.19	118.99
District 1, Morgan County	\$43,813	45.64	54.77	63.89	73.02	91.28
District 2, Morgan County	\$59,213	61.68	74.02	86.35	98.69	123.36
District 3, Morgan County	\$69,643	72.54	87.05	101.56	116.07	145.09
Nicholas	\$40,318	42.00	50.40	58.80	67.20	84.00
Beaver district, Nicholas County	\$39,628	41.28	49.54	57.79	66.05	82.56
Grant district, Nicholas County	\$26,392	27.49	32.99	38.49	43.99	54.98
Hamilton district, Nicholas County	\$45,045	46.92	56.31	65.69	75.08	93.84
Jefferson district, Nicholas County	\$35,278	36.75	44.10	51.45	58.80	73.50
Kentucky district, Nicholas County	\$37,020	38.56	46.28	53.99	61.70	77.13
Summersville district, Nicholas County	\$42,946	44.74	53.68	62.63	71.58	89.47
Wilderness district, Nicholas County	\$44,096	45.93	55.12	64.31	73.49	91.87
Ohio	\$48,056	50.06	60.07	70.08	80.09	100.12
District 1, Ohio County	\$64,075	66.74	80.09	93.44	106.79	133.49
District 2, Ohio County	\$34,227	35.65	42.78	49.91	57.05	71.31
District 3, Ohio County	\$50,934	53.06	63.67	74.28	84.89	106.11
Pendleton	\$46,358	48.29	57.95	67.61	77.26	96.58
Central district, Pendleton County	\$48,350	50.36	60.44	70.51	80.58	100.73
Eastern district, Pendleton County	\$38,750	40.36	48.44	56.51	64.58	80.73
Western district, Pendleton County	\$50,357	52.46	62.95	73.44	83.93	104.91
Pleasants	\$55,508	57.82	69.39	80.95	92.51	115.64
District A, Pleasants County	\$65,457	68.18	81.82	95.46	109.10	136.37
District B, Pleasants County	\$56,463	58.82	70.58	82.34	94.11	117.63
District C, Pleasants County	\$48,191	50.20	60.24	70.28	80.32	100.40
District D, Pleasants County	\$77,386	80.61	96.73	112.85	128.98	161.22
Pocahontas	\$37,642	39.21	47.05	54.89	62.74	78.42
Edray district, Pocahontas County	\$30,543	31.82	38.18	44.54	50.91	63.63
Greenbank district, Pocahontas County	\$38,178	39.77	47.72	55.68	63.63	79.54
Huntersville district, Pocahontas County	\$63,370	66.01	79.21	92.41	105.62	132.02
Little Levels district, Pocahontas County	\$47,768	49.76	59.71	69.66	79.61	99.52
Preston	\$51,992	54.16	64.99	75.82	86.65	108.32
Fifth district, Preston County	\$49,677	51.75	62.10	72.45	82.80	103.49
First district, Preston County	\$54,167	56.42	67.71	78.99	90.28	112.85
Fourth district, Preston County	\$49,205	51.26	61.51	71.76	82.01	102.51
Second district, Preston County	\$57,649	60.05	72.06	84.07	96.08	120.10
Third district, Preston County	\$44,367	46.22	55.46	64.70	73.95	92.43
Putnam	\$63,954	66.62	79.94	93.27	106.59	133.24
District 1, Putnam County	\$50,563	52.67	63.20	73.74	84.27	105.34
District 2, Putnam County	\$79,152	82.45	98.94	115.43	131.92	164.90

WEST VIRGINIA MEDIAN HOUSEHOLD INCOME
2020 CENSUS
COUNTY & MAGISTERIAL DISTRICTS

Magisterial District	2020 MHI	1.25%	1.50%	1.75%	2.00%	2.50%
District 3, Putnam County	\$68,599	71.46	85.75	100.04	114.33	142.91
Raleigh	\$43,283	45.09	54.10	63.12	72.14	90.17
District 1, Raleigh County	\$43,343	45.15	54.18	63.21	72.24	90.30
District 2, Raleigh County	\$40,816	42.52	51.02	59.52	68.03	85.03
District 3, Raleigh County	\$44,582	46.44	55.73	65.02	74.30	92.88
Randolph	\$45,206	47.09	56.51	65.93	75.34	94.18
Beverly district, Randolph County	\$50,750	52.86	63.44	74.01	84.58	105.73
Dry Fork district, Randolph County	\$25,804	26.88	32.26	37.63	43.01	53.76
Huttonsville district, Randolph County	\$38,287	39.88	47.86	55.84	63.81	79.76
Leadsville district, Randolph County	\$41,330	43.05	51.66	60.27	68.88	86.10
Middle Fork district, Randolph County	\$40,703	42.40	50.88	59.36	67.84	84.80
Mingo district, Randolph County	\$37,052	38.60	46.32	54.03	61.75	77.19
New Interest district, Randolph County	\$51,667	53.82	64.58	75.35	86.11	107.64
Roaring Creek district, Randolph County	\$48,018	50.02	60.02	70.03	80.03	100.04
Valley Bend district, Randolph County	\$65,625	68.36	82.03	95.70	109.38	136.72
Ritchie	\$44,328	46.18	55.41	64.65	73.88	92.35
Clay district, Ritchie County	\$55,094	57.39	68.87	80.35	91.82	114.78
Grant district, Ritchie County	\$46,486	48.42	58.11	67.79	77.48	96.85
Murphy district, Ritchie County	\$35,304	36.78	44.13	51.49	58.84	73.55
Union district, Ritchie County	\$41,531	43.26	51.91	60.57	69.22	86.52
Roane	\$38,895	40.52	48.62	56.72	64.83	81.03
District I, Roane County	\$38,483	40.09	48.10	56.12	64.14	80.17
District II, Roane County	\$29,778	31.02	37.22	43.43	49.63	62.04
District III, Roane County	\$45,225	47.11	56.53	65.95	75.38	94.22
Summers	\$37,769	39.34	47.21	55.08	62.95	78.69
Bluestone River district, Summers County	\$41,432	43.16	51.79	60.42	69.05	86.32
Greenbrier River district, Summers County	\$34,907	36.36	43.63	50.91	58.18	72.72
New River district, Summers County	\$35,634	37.12	44.54	51.97	59.39	74.24
Taylor	\$52,958	55.16	66.20	77.23	88.26	110.33
Eastern district, Taylor County	\$49,788	51.86	62.24	72.61	82.98	103.73
Tygart district, Taylor County	\$41,808	43.55	52.26	60.97	69.68	87.10
Western district, Taylor County	\$61,250	63.80	76.56	89.32	102.08	127.60
Tucker	\$47,527	49.51	59.41	69.31	79.21	99.01
Black Fork district, Tucker County	\$43,935	45.77	54.92	64.07	73.23	91.53
Clover district, Tucker County	\$41,250	42.97	51.56	60.16	68.75	85.94
Davis district, Tucker County	\$45,833	47.74	57.29	66.84	76.39	95.49
Dry Fork district, Tucker County	\$52,121	54.29	65.15	76.01	86.87	108.59
Fairfax district, Tucker County	\$44,063	45.90	55.08	64.26	73.44	91.80
Licking district, Tucker County	\$50,515	52.62	63.14	73.67	84.19	105.24

WEST VIRGINIA MEDIAN HOUSEHOLD INCOME
2020 CENSUS
COUNTY & MAGISTERIAL DISTRICTS

Magisterial District	2020 MHI	1.25%	1.50%	1.75%	2.00%	2.50%
St. George district, Tucker County	\$46,202	48.13	57.75	67.38	77.00	96.25
Tyler	\$47,598	49.58	59.50	69.41	79.33	99.16
Central district, Tyler County	\$46,875	48.83	58.59	68.36	78.13	97.66
North district, Tyler County	\$49,295	51.35	61.62	71.89	82.16	102.70
South district, Tyler County	\$45,590	47.49	56.99	66.49	75.98	94.98
West district, Tyler County	\$45,208	47.09	56.51	65.93	75.35	94.18
Upshur	\$40,802	42.50	51.00	59.50	68.00	85.00
First district, Upshur County	\$41,353	43.08	51.69	60.31	68.92	86.15
Second district, Upshur County	\$38,750	40.36	48.44	56.51	64.58	80.73
Third district, Upshur County	\$42,837	44.62	53.55	62.47	71.40	89.24
Wayne	\$43,710	45.53	54.64	63.74	72.85	91.06
Butler district, Wayne County	\$50,849	52.97	63.56	74.15	84.75	105.94
Ceredo district, Wayne County	\$43,477	45.29	54.35	63.40	72.46	90.58
Stonewall district, Wayne County	\$32,314	33.66	40.39	47.12	53.86	67.32
Union district, Wayne County	\$48,571	50.59	60.71	70.83	80.95	101.19
Westmoreland district, Wayne County	\$52,073	54.24	65.09	75.94	86.79	108.49
Webster	\$33,358	34.75	41.70	48.65	55.60	69.50
Central district, Webster County	\$23,540	24.52	29.43	34.33	39.23	49.04
Northern district, Webster County	\$38,729	40.34	48.41	56.48	64.55	80.69
Southern district, Webster County	\$39,453	41.10	49.32	57.54	65.76	82.19
Wetzel	\$44,539	46.39	55.67	64.95	74.23	92.79
District 1, Wetzel County	\$37,144	38.69	46.43	54.17	61.91	77.38
District 2, Wetzel County	\$51,418	53.56	64.27	74.98	85.70	107.12
District 3, Wetzel County	\$45,303	47.19	56.63	66.07	75.51	94.38
Wirt	\$45,315	47.20	56.64	66.08	75.53	94.41
Central district, Wirt County	\$36,761	38.29	45.95	53.61	61.27	76.59
Northeast district, Wirt County	\$45,750	47.66	57.19	66.72	76.25	95.31
Southwest district, Wirt County	\$47,065	49.03	58.83	68.64	78.44	98.05
Wood	\$48,711	50.74	60.89	71.04	81.19	101.48
Clay district, Wood County	\$58,935	61.39	73.67	85.95	98.23	122.78
Harris district, Wood County	\$64,464	67.15	80.58	94.01	107.44	134.30
Lubeck district, Wood County	\$58,692	61.14	73.37	85.59	97.82	122.28
Parkersburg district, Wood County	\$38,432	40.03	48.04	56.05	64.05	80.07
Slate district, Wood County	\$63,893	66.56	79.87	93.18	106.49	133.11
Steele district, Wood County	\$56,983	59.36	71.23	83.10	94.97	118.71
Tygart district, Wood County	\$40,867	42.57	51.08	59.60	68.11	85.14
Union district, Wood County	\$73,304	76.36	91.63	106.90	122.17	152.72
Walker district, Wood County	\$41,288	43.01	51.61	60.21	68.81	86.02
Williams district, Wood County	\$66,761	69.54	83.45	97.36	111.27	139.09

WEST VIRGINIA MEDIAN HOUSEHOLD INCOME
2020 CENSUS
COUNTY & MAGISTERIAL DISTRICTS

Magisterial District	2020 MHI	1.25%	1.50%	1.75%	2.00%	2.50%
Wyoming	\$44,095	45.93	55.12	64.31	73.49	91.86
District 1, Wyoming County	\$42,449	44.22	53.06	61.90	70.75	88.44
District 2, Wyoming County	\$40,907	42.61	51.13	59.66	68.18	85.22
District 3, Wyoming County	\$46,215	48.14	57.77	67.40	77.03	96.28

2020 ACS Tables, U.S. Census Bureau

APPENDIX D1

MEDIAN HOUSEHOLD INCOME BY MUNICIPALITY

WEST VIRGINIA MEDIAN HOUSEHOLD INCOME
2020 CENSUS
MUNICIPALITIES

MUNICIPALITIES	2020 MHI	1.25%	1.50%	1.75%	2.00%	2.50%
Addison (Webster Springs), town	\$22,062	22.98	27.58	32.17	36.77	45.96
Albright, town	\$58,750	61.20	73.44	85.68	97.92	122.40
Alderson , town	\$26,053	27.14	32.57	37.99	43.42	54.28
Anawalt, town	\$22,778	23.73	28.47	33.22	37.96	47.45
Anmoore, town	\$23,100	24.06	28.88	33.69	38.50	48.13
Ansted, town	\$38,261	39.86	47.83	55.80	63.77	79.71
Athens, town	\$52,760	54.96	65.95	76.94	87.93	109.92
Auburn, town (2014)	\$23,000	23.96	28.75	33.54	38.33	47.92
Bancroft, town	\$59,750	62.24	74.69	87.14	99.58	124.48
Barboursville, village	\$57,599	60.00	72.00	84.00	96.00	120.00
Barrackville, town	\$59,333	61.81	74.17	86.53	98.89	123.61
Bath (Berkeley Springs), town	\$42,686	44.46	53.36	62.25	71.14	88.93
Bayard, town	\$27,273	28.41	34.09	39.77	45.46	56.82
Beckley, city	\$42,972	44.76	53.72	62.67	71.62	89.53
Beech Bottom, village	\$42,500	44.27	53.13	61.98	70.83	88.54
Belington, town	\$36,944	38.48	46.18	53.88	61.57	76.97
Belle, town	\$50,972	53.10	63.72	74.33	84.95	106.19
Belmont, city	\$50,083	52.17	62.60	73.04	83.47	104.34
Benwood, city	\$35,685	37.17	44.61	52.04	59.48	74.34
Bethany, town	\$57,500	59.90	71.88	83.85	95.83	119.79
Bethlehem, village	\$71,042	74.00	88.80	103.60	118.40	148.00
Beverly, town	\$28,750	29.95	35.94	41.93	47.92	59.90
Blacksville, town	\$52,917	55.12	66.15	77.17	88.20	110.24
Bluefield, city	\$35,650	37.14	44.56	51.99	59.42	74.27
Bolivar, town	\$77,000	80.21	96.25	112.29	128.33	160.42
Bradshaw, town	\$19,142	19.94	23.93	27.92	31.90	39.88
Bramwell, town	\$49,063	51.11	61.33	71.55	81.77	102.21
Brandonville, town	\$73,250	76.30	91.56	106.82	122.08	152.60
Bridgeport, city	\$84,295	87.81	105.37	122.93	140.49	175.61
Bruceton Mills, town	\$39,306	40.94	49.13	57.32	65.51	81.89
Buckhannon, city	\$42,287	44.05	52.86	61.67	70.48	88.10
Buffalo, town	\$50,568	52.68	63.21	73.75	84.28	105.35
Burnsville, town	\$72,375	75.39	90.47	105.55	120.63	150.78
Cairo, town	\$24,215	25.22	30.27	35.31	40.36	50.45
Camden-on-Gauley, town	\$38,889	40.51	48.61	56.71	64.82	81.02
Cameron, city	\$24,167	25.17	30.21	35.24	40.28	50.35
Capon Bridge, town	\$57,734	60.14	72.17	84.20	96.22	120.28
Carpendale, town	\$70,172	73.10	87.72	102.33	116.95	146.19
Cedar Grove, town	\$52,313	54.49	65.39	76.29	87.19	108.99

WEST VIRGINIA MEDIAN HOUSEHOLD INCOME
2020 CENSUS
MUNICIPALITIES

MUNICIPALITIES	2020 MHI	1.25%	1.50%	1.75%	2.00%	2.50%
Ceredo, city	\$36,731	38.26	45.91	53.57	61.22	76.52
Chapmanville, town	\$30,337	31.60	37.92	44.24	50.56	63.20
Charleston, city	\$49,769	51.84	62.21	72.58	82.95	103.69
Charles Town, city	\$77,552	80.78	96.94	113.10	129.25	161.57
Chesapeake, town	\$40,650	42.34	50.81	59.28	67.75	84.69
Chester, city	\$47,993	49.99	59.99	69.99	79.99	99.99
Clarksburg, city	\$41,226	42.94	51.53	60.12	68.71	85.89
Clay, town	\$17,708	18.45	22.14	25.82	29.51	36.89
Clearview, village	\$69,643	72.54	87.05	101.56	116.07	145.09
Clendenin, town	\$42,778	44.56	53.47	62.38	71.30	89.12
Cowen, town	\$27,813	28.97	34.77	40.56	46.36	57.94
Danville, town	\$43,125	44.92	53.91	62.89	71.88	89.84
Davis, town	\$42,019	43.77	52.52	61.28	70.03	87.54
Davy, town	\$28,750	29.95	35.94	41.93	47.92	59.90
Delbarton, town	\$28,140	29.31	35.18	41.04	46.90	58.63
Dunbar, city	\$39,688	41.34	49.61	57.88	66.15	82.68
Durbin, town	\$47,917	49.91	59.90	69.88	79.86	99.83
East Bank, town	\$46,645	48.59	58.31	68.02	77.74	97.18
Eleanor, town	\$64,625	67.32	80.78	94.24	107.71	134.64
Elizabeth, town	\$23,098	24.06	28.87	33.68	38.50	48.12
Elk Garden, town	\$41,250	42.97	51.56	60.16	68.75	85.94
Elkins, city	\$38,910	40.53	48.64	56.74	64.85	81.06
Ellenboro, town	\$50,625	52.73	63.28	73.83	84.38	105.47
Fairmont, city	\$45,540	47.44	56.93	66.41	75.90	94.88
Fairview, town	\$54,265	56.53	67.83	79.14	90.44	113.05
Falling Spring, town	\$38,750	40.36	48.44	56.51	64.58	80.73
Farmington, town	\$66,000	68.75	82.50	96.25	110.00	137.50
Fayetteville, town	\$52,083	54.25	65.10	75.95	86.81	108.51
Flatwoods, town	\$42,411	44.18	53.01	61.85	70.69	88.36
Flemington, town	\$56,250	58.59	70.31	82.03	93.75	117.19
Follansbee, city	\$41,870	43.61	52.34	61.06	69.78	87.23
Fort Gay, town	\$18,667	19.44	23.33	27.22	31.11	38.89
Franklin, town	\$57,857	60.27	72.32	84.37	96.43	120.54
Friendly, town	\$26,667	27.78	33.33	38.89	44.45	55.56
Gary, city	\$32,663	34.02	40.83	47.63	54.44	68.05
Gassaway, town	\$53,073	55.28	66.34	77.40	88.46	110.57
Gauley Bridge, town	\$27,313	28.45	34.14	39.83	45.52	56.90
Gilbert, town	\$42,917	44.71	53.65	62.59	71.53	89.41
Glasgow, town	\$49,412	51.47	61.77	72.06	82.35	102.94
Glen Dale, city	\$64,779	67.48	80.97	94.47	107.97	134.96
Glenville, town	\$31,779	33.10	39.72	46.34	52.97	66.21

WEST VIRGINIA MEDIAN HOUSEHOLD INCOME
2020 CENSUS
MUNICIPALITIES

MUNICIPALITIES	2020 MHI	1.25%	1.50%	1.75%	2.00%	2.50%
Grafton, city	\$34,555	35.99	43.19	50.39	57.59	71.99
Grantsville, town	\$28,750	29.95	35.94	41.93	47.92	59.90
Grant Town, town	\$45,352	47.24	56.69	66.14	75.59	94.48
Granville, town	\$27,457	28.60	34.32	40.04	45.76	57.20
Hambleton, town	\$35,000	36.46	43.75	51.04	58.33	72.92
Hamlin, town	\$36,136	37.64	45.17	52.70	60.23	75.28
Handley, town	\$45,923	47.84	57.40	66.97	76.54	95.67
Harman, town	\$22,788	23.74	28.49	33.23	37.98	47.48
Harpers Ferry, town	\$94,914	98.87	118.64	138.42	158.19	197.74
Harrisville, town	\$36,161	37.67	45.20	52.73	60.27	75.34
Hartford City, town	\$50,245	52.34	62.81	73.27	83.74	104.68
Hedgesville, town	\$70,813	73.76	88.52	103.27	118.02	147.53
Henderson, town	\$20,179	21.02	25.22	29.43	33.63	42.04
Hendricks, town	\$43,409	45.22	54.26	63.30	72.35	90.44
Hillsboro, town	\$20,833	21.70	26.04	30.38	34.72	43.40
Hinton, city	\$35,042	36.50	43.80	51.10	58.40	73.00
Hundred, town	\$35,208	36.68	44.01	51.35	58.68	73.35
Huntington, city	\$33,012	34.39	41.27	48.14	55.02	68.78
Hurricane, city	\$62,308	64.90	77.89	90.87	103.85	129.81
Huttonsville, town (2015)	\$27,396	28.54	34.25	39.95	45.66	57.08
Iaeger, town	\$39,063	40.69	48.83	56.97	65.11	81.38
Jane Lew, town	\$45,944	47.86	57.43	67.00	76.57	95.72
Junior, town	\$25,000	26.04	31.25	36.46	41.67	52.08
Kenova, city	\$29,921	31.17	37.40	43.63	49.87	62.34
Kermit, town	\$28,750	29.95	35.94	41.93	47.92	59.90
Keyser, city	\$44,679	46.54	55.85	65.16	74.47	93.08
Keystone, city (2015)	\$22,125	23.05	27.66	32.27	36.88	46.09
Kimball, town	\$48,750	50.78	60.94	71.09	81.25	101.56
Kingwood, city	\$54,190	56.45	67.74	79.03	90.32	112.90
Leon, town (2015)	\$31,786	33.11	39.73	46.35	52.98	66.22
Lester, town	\$26,202	27.29	32.75	38.21	43.67	54.59
Lewisburg, city	\$31,851	33.18	39.81	46.45	53.09	66.36
Logan, city	\$40,980	42.69	51.23	59.76	68.30	85.38
Lost Creek, town	\$50,750	52.86	63.44	74.01	84.58	105.73
Lumberport, town	\$62,578	65.19	78.22	91.26	104.30	130.37
Mabscott, town	\$33,021	34.40	41.28	48.16	55.04	68.79
McMechen, city	\$36,915	38.45	46.14	53.83	61.53	76.91
Madison, city	\$40,938	42.64	51.17	59.70	68.23	85.29
Man, town	\$53,125	55.34	66.41	77.47	88.54	110.68
Mannington, city	\$54,605	56.88	68.26	79.63	91.01	113.76
Marlinton, town	\$31,400	32.71	39.25	45.79	52.33	65.42

WEST VIRGINIA MEDIAN HOUSEHOLD INCOME
2020 CENSUS
MUNICIPALITIES

MUNICIPALITIES	2020 MHI	1.25%	1.50%	1.75%	2.00%	2.50%
Marmet, city	\$41,875	43.62	52.34	61.07	69.79	87.24
Martinsburg, city	\$44,363	46.21	55.45	64.70	73.94	92.42
Mason, town	\$27,500	28.65	34.38	40.10	45.83	57.29
Masontown, town	\$34,704	36.15	43.38	50.61	57.84	72.30
Matewan, town	\$16,176	16.85	20.22	23.59	26.96	33.70
Matoaka, town	\$40,000	41.67	50.00	58.33	66.67	83.33
Meadow Bridge, town	\$30,536	31.81	38.17	44.53	50.89	63.62
Middlebourne, town	\$43,929	45.76	54.91	64.06	73.22	91.52
Mill Creek, town	\$39,352	40.99	49.19	57.39	65.59	81.98
Milton, town	\$35,145	36.61	43.93	51.25	58.58	73.22
Mitchell Heights, town	\$66,406	69.17	83.01	96.84	110.68	138.35
Monongah, town	\$48,750	50.78	60.94	71.09	81.25	101.56
Montgomery, city	\$27,045	28.17	33.81	39.44	45.08	56.34
Montrose, town	\$66,250	69.01	82.81	96.61	110.42	138.02
Moorefield, town	\$44,299	46.14	55.37	64.60	73.83	92.29
Morgantown, city	\$42,474	44.24	53.09	61.94	70.79	88.49
Moundsville, city	\$33,399	34.79	41.75	48.71	55.67	69.58
Mount Hope, city	\$29,444	30.67	36.81	42.94	49.07	61.34
Mullens, city	\$50,688	52.80	63.36	73.92	84.48	105.60
Newburg, town	\$41,853	43.60	52.32	61.04	69.76	87.19
New Cumberland, city	\$30,078	31.33	37.60	43.86	50.13	62.66
New Haven, town	\$39,295	40.93	49.12	57.31	65.49	81.86
New Martinsville, city	\$45,303	47.19	56.63	66.07	75.51	94.38
Nitro, city	\$43,564	45.38	54.46	63.53	72.61	90.76
Northfork, town	\$20,750	21.61	25.94	30.26	34.58	43.23
North Hills, town	\$114,861	119.65	143.58	167.51	191.44	239.29
Nutter Fort, town	\$50,598	52.71	63.25	73.79	84.33	105.41
Oak Hill, city	\$43,083	44.88	53.85	62.83	71.81	89.76
Oakvale, town (2014)	\$21,354	22.24	26.69	31.14	35.59	44.49
Oceana, town	\$40,000	41.67	50.00	58.33	66.67	83.33
Paden City, city	\$50,739	52.85	63.42	73.99	84.57	105.71
Parkersburg, city	\$37,933	39.51	47.42	55.32	63.22	79.03
Parsons, city	\$42,109	43.86	52.64	61.41	70.18	87.73
Paw Paw, town	\$53,074	55.29	66.34	77.40	88.46	110.57
Pax, town (2015)	\$33,625	35.03	42.03	49.04	56.04	70.05
Pennsboro, city	\$41,673	43.41	52.09	60.77	69.46	86.82
Petersburg, city	\$40,387	42.07	50.48	58.90	67.31	84.14
Peterstown, town	\$40,868	42.57	51.09	59.60	68.11	85.14
Philippi, city	\$36,371	37.89	45.46	53.04	60.62	75.77
Piedmont, town	\$35,250	36.72	44.06	51.41	58.75	73.44
Pine Grove, town	\$53,438	55.66	66.80	77.93	89.06	111.33

WEST VIRGINIA MEDIAN HOUSEHOLD INCOME
2020 CENSUS
MUNICIPALITIES

MUNICIPALITIES	2020 MHI	1.25%	1.50%	1.75%	2.00%	2.50%
Pineville, town	\$60,938	63.48	76.17	88.87	101.56	126.95
Pleasant Valley, city	\$53,994	56.24	67.49	78.74	89.99	112.49
Poca, town	\$59,167	61.63	73.96	86.29	98.61	123.26
Point Pleasant, city	\$42,927	44.72	53.66	62.60	71.55	89.43
Pratt, town	\$54,722	57.00	68.40	79.80	91.20	114.00
Princeton, city	\$41,925	43.67	52.41	61.14	69.88	87.34
Pullman, town	\$48,125	50.13	60.16	70.18	80.21	100.26
Quinwood, town (2015)	\$24,063	25.07	30.08	35.09	40.11	50.13
Rainelle, town	\$29,536	30.77	36.92	43.07	49.23	61.53
Ranson Town, corporation of	\$69,544	72.44	86.93	101.42	115.91	144.88
Ravenswood, city	\$37,012	38.55	46.27	53.98	61.69	77.11
Reedsville, town	\$47,614	49.60	59.52	69.44	79.36	99.20
Reedy, town	\$28,125	29.30	35.16	41.02	46.88	58.59
Rhodell, town (2015)	\$37,813	39.39	47.27	55.14	63.02	78.78
Richwood, city	\$27,327	28.47	34.16	39.85	45.55	56.93
Ridgeley, town	\$32,813	34.18	41.02	47.85	54.69	68.36
Ripley, city	\$34,107	35.53	42.63	49.74	56.85	71.06
Rivesville, town	\$58,458	60.89	73.07	85.25	97.43	121.79
Romney, city	\$32,880	34.25	41.10	47.95	54.80	68.50
Ronceverte, city	\$43,482	45.29	54.35	63.41	72.47	90.59
Rowlesburg, town	\$39,306	40.94	49.13	57.32	65.51	81.89
Rupert, town	\$26,989	28.11	33.74	39.36	44.98	56.23
St. Albans, city	\$50,969	53.09	63.71	74.33	84.95	106.19
St. Marys, city	\$49,836	51.91	62.30	72.68	83.06	103.83
Salem, city	\$40,114	41.79	50.14	58.50	66.86	83.57
Sand Fork, town	\$52,857	55.06	66.07	77.08	88.10	110.12
Shepherdstown, town	\$80,610	83.97	100.76	117.56	134.35	167.94
Shinnston, city	\$59,215	61.68	74.02	86.36	98.69	123.36
Sistersville, city	\$40,125	41.80	50.16	58.52	66.88	83.59
Smithers, city	\$40,135	41.81	50.17	58.53	66.89	83.61
Smithfield, town	\$15,000	15.63	18.75	21.88	25.00	31.25
Sophia, town	\$28,255	29.43	35.32	41.21	47.09	58.86
South Charleston, city	\$51,021	53.15	63.78	74.41	85.04	106.29
Spencer, city	\$21,139	22.02	26.42	30.83	35.23	44.04
Star City, town	\$51,450	53.59	64.31	75.03	85.75	107.19
Stonewood, city	\$45,236	47.12	56.55	65.97	75.39	94.24
Summersville, town	\$43,287	45.09	54.11	63.13	72.15	90.18
Sutton, town	\$40,469	42.16	50.59	59.02	67.45	84.31
Sylvester, town	\$56,000	58.33	70.00	81.67	93.33	116.67
Terra Alta, town	\$40,774	42.47	50.97	59.46	67.96	84.95
Thomas, city	\$51,429	53.57	64.29	75.00	85.72	107.14

WEST VIRGINIA MEDIAN HOUSEHOLD INCOME
2020 CENSUS
MUNICIPALITIES

MUNICIPALITIES	2020 MHI	1.25%	1.50%	1.75%	2.00%	2.50%
Thurmond, town (2000)	\$23,750	24.74	29.69	34.64	39.58	49.48
Triadelphia, town	\$50,119	52.21	62.65	73.09	83.53	104.41
Tunnelton, town	\$48,571	50.59	60.71	70.83	80.95	101.19
Union, town	\$26,151	27.24	32.69	38.14	43.59	54.48
Valley Grove, village	\$32,750	34.11	40.94	47.76	54.58	68.23
Vienna, city	\$55,181	57.48	68.98	80.47	91.97	114.96
War, city	\$16,563	17.25	20.70	24.15	27.61	34.51
Wardensville, town	\$42,500	44.27	53.13	61.98	70.83	88.54
Wayne, town	\$24,000	25.00	30.00	35.00	40.00	50.00
Weirton, city	\$50,822	52.94	63.53	74.12	84.70	105.88
Welch, city	\$25,227	26.28	31.53	36.79	42.05	52.56
Wellsburg, city	\$43,152	44.95	53.94	62.93	71.92	89.90
West Hamlin, town	\$33,646	35.05	42.06	49.07	56.08	70.10
West Liberty, town (2014)	\$27,708	28.86	34.64	40.41	46.18	57.73
West Logan, town	\$33,542	34.94	41.93	48.92	55.90	69.88
West Milford, town	\$53,750	55.99	67.19	78.39	89.58	111.98
Weston, city	\$36,728	38.26	45.91	53.56	61.21	76.52
Westover, city	\$51,304	53.44	64.13	74.82	85.51	106.88
West Union, town	\$68,839	71.71	86.05	100.39	114.73	143.41
Wheeling, city	\$41,911	43.66	52.39	61.12	69.85	87.31
White Hall, town	\$63,250	65.89	79.06	92.24	105.42	131.77
White Sulphur Springs, city	\$32,125	33.46	40.16	46.85	53.54	66.93
Whitesville, town	\$20,313	21.16	25.39	29.62	33.86	42.32
Williamson, city	\$25,707	26.78	32.13	37.49	42.85	53.56
Williamstown, city	\$71,442	74.42	89.30	104.19	119.07	148.84
Windsor Heights, village	\$37,750	39.32	47.19	55.05	62.92	78.65
Winfield, town	\$69,432	72.33	86.79	101.26	115.72	144.65
Womelsdorf (Coalton), town	\$41,250	42.97	51.56	60.16	68.75	85.94
Worthington, town	\$20,750	21.61	25.94	30.26	34.58	43.23

APPENDIX E

SOURCES AND USES CHART (FOR EPA USE ONLY)

West Virginia Clean Water State Revolving Fund
Intended Use Plan - Sources and Uses of Funds
(for EPA use only)

Cumulative Sources as of December 31, 2021

Capitalization Grants (33)	\$	758,847,586	
State Matches (actual)	\$	139,574,673	
Repayments (P + I; 212 + 319)	\$	594,721,418	
Investment Earnings	\$	58,231,886	
Sources sub-total (a)			<u>\$ 1,551,375,563</u>

Cumulative Uses as of December 31, 2021

Loan Assistance (212+319)	\$	1,393,318,352	
DEP Administration (4%)	\$	14,143,540	
Uses sub-total (b)			<u>\$ 1,407,461,892</u>

FY2023 Sources of Funds

Available funds from prior IUPs (a - b)	\$	143,913,671	
Base Capitalization Grant #34 (FFY2022 Funds)	\$	18,037,000	
Base State Match (estimate)	\$	3,607,400	
BIL Capitalization Grant #1 (FFY 2022 Funds)	\$	27,745,000	
BIL State Match	\$	2,774,500	
Emerging Contaminants Grant	\$	1,457,000	
Earnings (estimate)	\$	650,000	
Repayments (estimate)	\$	40,793,177	
Sources of Funds (c)			<u>\$ 238,977,748</u>

Less

Appendix B Projects	\$	179,031,825	
Loan Closings Between 12/31/2021 - 6/30/22	\$	35,291,101	
Projects on PPL as they are ready to proceed	\$	23,654,822	
AgWQLP Reserves	\$	500,000	
OSLP Reserve	\$	500,000	
Total			<u><u>\$ 238,977,748</u></u>

APPENDIX F

POSSIBLE GREEN TECHNOLOGY PROJECTS

CLEAN WATER STATE REVOLVING FUND

"Green" Infrastructure Project Solicitation for FY2023 IUP

Project	Category	Description	Total Project Cost Estimate
Auburn, Town of	decentralized sewer system	Decentralized individual treatment units	\$2,714,725
Beckley Sanitary Board (Dry Hill)	storm water	Green technology to improve a portion of the storm water system	\$2,669,758
Beckley Sanitary Board (Pinecrest)	storm water	Green technology to improve a portion of the storm water system	\$4,223,000
Beckley Sanitary Board (Railtrail)	storm water	Innovative green technology - Continuous Monitoring and Adaptive Control System	\$219,500
Big Bend PSD	decentralized sewer system	Replacement of wwtp and rehabilitation of another wwtp	\$1,710,500
Bradley PSD	decentralized sewer system	Replacement of 3 package treatment plants and one lagoon with STEP system	\$5,120,449
Bradshaw, Town of	energy efficiency	Replacement of Vacuum Sewer system with Gravity system	\$6,208,000
Charles Town Utility Board	energy efficiency	Pump Station rehab, replacement and decommissioning	\$4,861,000
Davis, Town of	storm water	Stormwater bioswales	\$5,799,000
Fort Gay, Town of	energy efficiency	System rehab and WWTP replacement	\$4,660,000
Gary, City of	decentralized sewer system	STEG/STEP system	\$2,586,000
Kanawha PSD (Lens Creek)	energy efficiency	LED lighting & extension project	\$10,200,000
McDowell Co. PSD - Iaeger	decentralized sewer system	Decentralized system for unsewered area	\$7,900,000
Mount Zion PSD	decentralized sewer system	Treatment plant replacement	\$3,368,500
Page Kincaid PSD	decentralized sewer system	Decentralized system for unsewered area	\$3,000,000
Paw Paw, Town of (I&I)	storm water	Stormwater bioswales	\$2,437,950
Parkersburg Utility Board	energy efficiency	SSO abatement project	\$25,048,500
Pea Ridge PSD (Holiday Park)	decentralized sewer system	Decentralized Wastewater Treatment Plant	\$2,345,000
Pea Ridge PSD (R2P2)	energy efficiency	Decommission of Barboursville plant and WWTP expansion	\$43,330,000
Walton PSD	decentralized sewer system	WWTP and collection system	\$8,161,300
West Fork Cooperative	decentralized sewer system	STEG/STEP system	\$3,958,440
		TOTAL	\$150,521,622

APPENDIX G

UNEMPLOYMENT DATA

Labor Force Data by County 2022	
County	Percentage
Barbour	4.4
Berkeley	2.7
Boone	4.9
Braxton	6.9
Brooke	5.1
Cabell	3.5
Calhoun	10.8
Clay	6.5
Doddridge	3.2
Fayette	5.0
Gilmer	5.6
Grant	3.8
Greenbrier	3.7
Hampshire	2.5
Hancock	5.1
Hardy	4.3
Harrison	3.8
Jackson	4.6
Jefferson	2.3
Kanawha	3.9
Lewis	5.6
Lincoln	5.4
Logan	4.8
McDowell	4.3
Marion	5.9
Marshall	4.4
Mason	6.4
Mercer	4.8
Mineral	3.8
Mingo	6.8
Monongalia	3.2
Monroe	2.9
Morgan	2.7
Nicholas	5.0
Ohio	4.2
Pendleton	2.6
Pleasants	6.0
Pocahontas	3.5
Preston	3.9
Putnam	3.3
Raleigh	3.9
Randolph	4.9
Ritchie	4.4
Roane	8.0
Summers	3.8
Taylor	4.0
Tucker	4.7
Tyler	6.7
Upshur	5.1
Wayne	4.1
Webster	5.2
Wetzel	5.9
Wirt	7.2
Wood	4.3
Wyoming	4.1
WV	4.0
Source: from www.workforcewv.org	

APPENDIX H

POPULATION DATA

Population Data

County	2015 Estimate	2020 Estimate	delta	% Change *red reflects negative
Barbour	16,731	16,543	188	1.12
Berkeley	108,724	117,615	8,891	8.18
Boone	24,000	21,897	2,103	8.76
Braxton	14,466	14,032	434	3.00
Brooke	23,665	22,162	1,503	6.35
Cabell	96,824	93,328	3,496	3.61
Calhoun	7,557	7,185	372	4.92
Clay	9,141	8,599	542	5.93
Doddridge	8,201	8,499	298	3.63
Fayette	45,534	43,087	2,447	5.37
Gilmer	8,644	7,970	674	7.80
Grant	11,815	11,565	250	2.12
Greenbrier	35,666	34,893	773	2.17
Hampshire	23,542	23,304	238	1.01
Hancock	30,201	29,118	1,083	3.59
Hardy	13,936	13,789	147	1.05
Harrison	68,998	67,620	1,378	2.00
Jackson	29,256	28,793	463	1.58
Jefferson	55,214	56,922	1,708	3.09
Kanawha	190,781	181,014	9,767	5.12
Lewis	16,434	16,024	410	2.49
Lincoln	21,560	20,617	943	4.37
Logan	35,760	32,593	3,167	8.86
McDowell	20,802	18,083	2,719	13.07
Marion	56,790	56,233	557	0.98
Marshall	32,480	30,900	1,580	4.86
Mason	27,177	26,700	477	1.76
Mercer	61,891	59,370	2,521	4.07
Mineral	27,755	27,047	708	2.55
Mingo	25,931	23,808	2,123	8.19
Monongalia	101,668	106,196	4,528	4.45
Monroe	13,525	13,344	181	1.34
Morgan	17,475	17,800	325	1.86
Nicholas	25,930	24,857	1,073	4.14
Ohio	43,637	41,875	1,762	4.04
Pendleton	7,402	6,968	434	5.86
Pleasants	7,636	7,457	179	2.34
Pocahontas	8,697	8,382	315	3.62
Preston	33,809	33,610	199	0.59
Putnam	56,596	56,604	8	0.01
Raleigh	78,493	74,452	4,041	5.15
Randolph	29,365	28,763	602	2.05
Ritchie	10,140	9,747	393	3.88
Roane	14,636	13,831	805	5.50
Summers	13,544	12,710	834	6.16
Taylor	16,977	16,817	160	0.94
Tucker	6,972	6,943	29	0.42
Tyler	9,033	8,736	297	3.29
Upshur	24,560	24,451	109	0.44
Wayne	41,499	39,952	1,547	3.73
Webster	8,927	8,289	638	7.15
Wetzel	16,157	15,291	866	5.36
Wirt	5,841	5,764	77	1.32
Wood	86,559	84,387	2,172	2.51
Wyoming	22,866	20,890	1,976	8.64

Source: https://data.census.gov/cedsci/table?g=0400000US54%240500000_0500000US54039&tid=ACSST5Y2020.S0101&p=true